Order No. ACED051207C8

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C1113NW

Removable Front Panel CD Player / Receiver

Specifications*

General	
Power Supply	DC 12V (11V - 16V),
	Test Voltage 14.4V
	Negative Ground
Tone Controls	Bass ; ±12dB at 100Hz
	Treble ; ±12dB at 10kHz
Current Consumption	Less than 2.2A (CD play mode, 0.5W×4ch)
Maximum Power Output	45W×4ch (at 1kHz, Vol. Max.)
Suitable Speaker Impedance	4-8Ω
FM Stereo Radio	
Frequency Range	87.5 - 108MHz
Usable Sensitivity	11.0dBf (1.25μV, 75Ω)
AM Radio	
Frequency Range	531 - 1,602kHz
Usable Sensitivity	28dB/μV (25μV, S/N 20dB)
RDS	
RDS Sensitivity	22dB/μV
CD Player	
Sampling Frequency	8 times oversampling
Pick-Up Type	Astigma 3-beam
Light Source	Semiconductor Laser
Wavelength	780nm
Frequency Response	20Hz to 20,000Hz (±1dB)
Signal to Noise Ratio	96dB
Dimensions**	178×50×155mm
Weight**	1.4kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2 FEATUERS

- 18-FM, 6-AM presets with preset scan
- Digital servo for reliable CD playback.
- Removable face plate.

3 LASER PRODUCTS

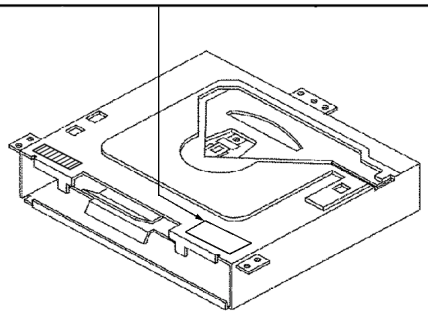
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

4 REPLACEING THE FUSE

Use fuses of the same specified rating (15A). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5 MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6 NOTES

[RADIO BLOCK]

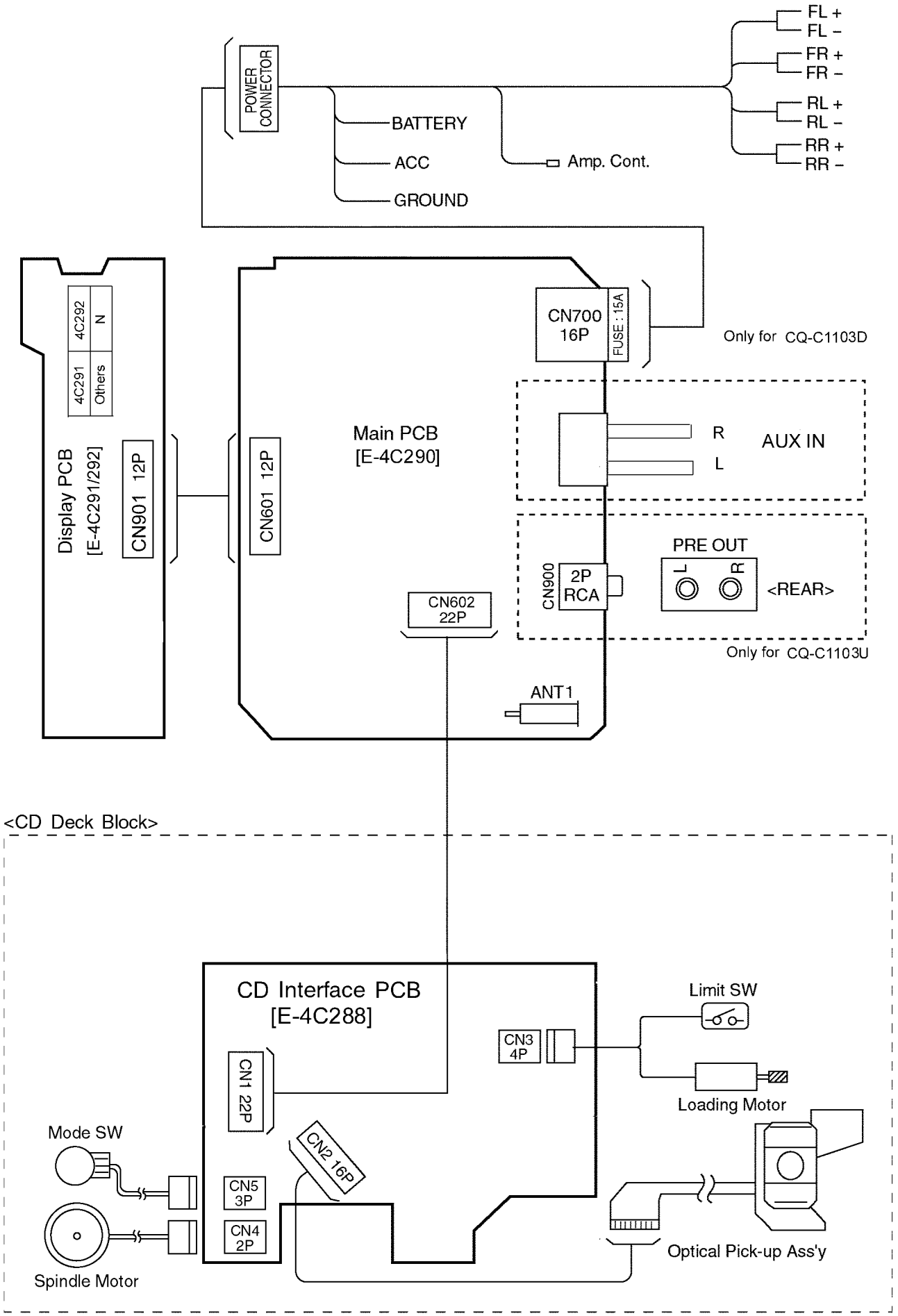
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

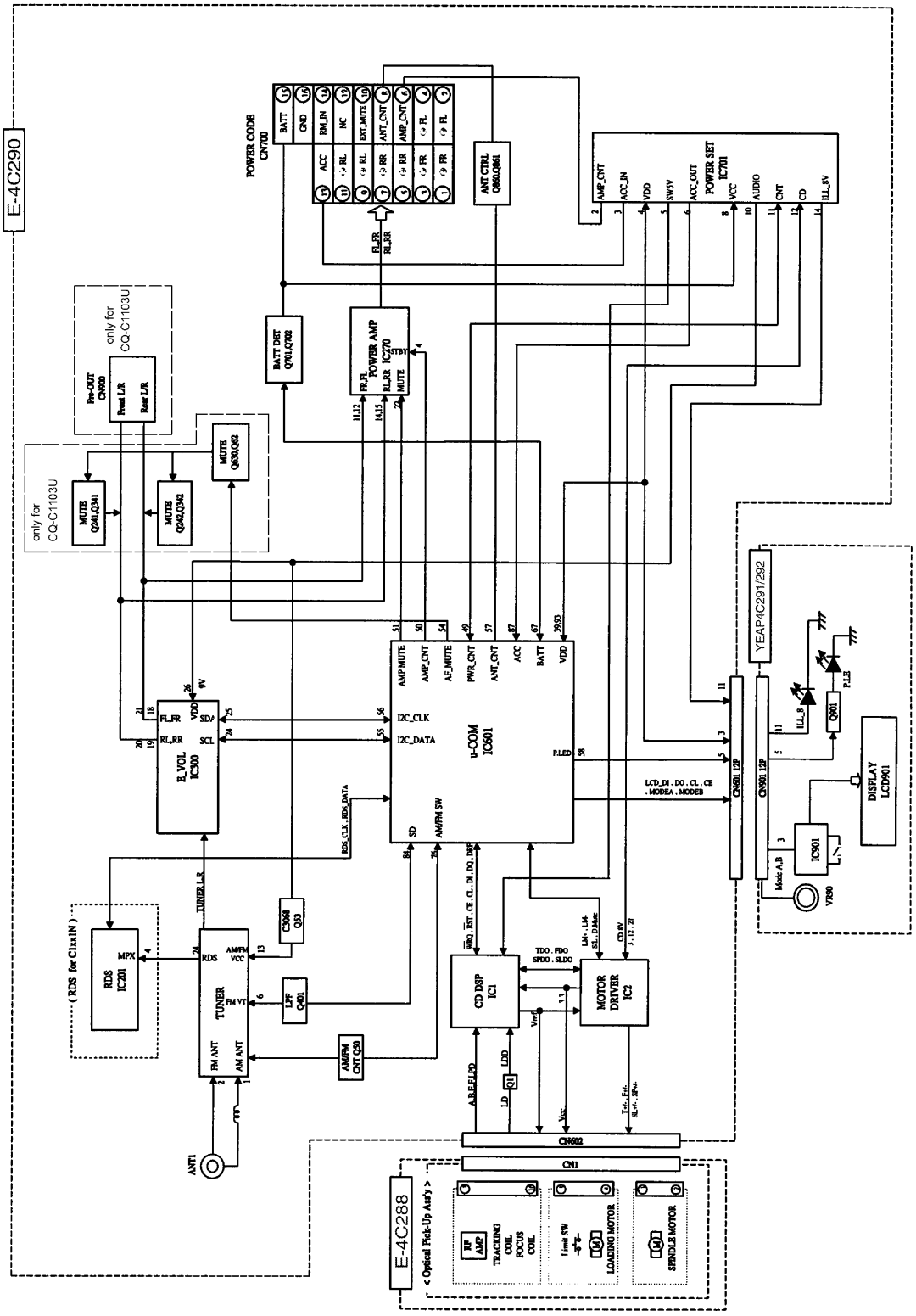
This model has no servo alignment points because microcomputer controls the servo circuit.

7 DIMENSIONS

8 WIRING CONNECTION



9 BLOCK DIAGRAM



10 TERMINALS DESCRIPTION

10.1. Main Block

IC601 : LC7237849D08

Ref. No.	Part No.	Part Name & Description	I/O(V)	FM(V)	AM(V)	CD(V)
1	XIN	4. 5 MHz X'tal and Connection	I	2.52	2.53	2.52
2	TEST2	GND connection	I	0	0	0
3	VREG	Bypass condenser connected.	O	2.9	2.9	2.93
4	VSSCPU	GND connection	-	0	0	0
5	CDC_DATA	CD changer data	I	0	0	0
6	N.C.	None	O	0	0	0
7	CDC_CLK	CD changer clock	I	0	0	0
8	CDC_REM_OUT	CD changer Remote out	O	0	0	0
9	LCD_DO	LCD data output	I	5,22	5,22	5.18
10	LCD_DI	LCD data input	O	0	0	0
11	LCD_CLK	LCD clock	O	5.17	5.19	5.15
12	LCD_CE	LCD chip enable output	O	0.1	0.14	0.12
13	CD_DO	CD data output	I	5.34	5.35	5.12
14	CD_DI	CD data input	O	0	0	5.2
15	CD_CLK	CD clock	O	5.19	5.21	5.17
16	CD_CE	CD chip enable	O	0	0	0.25
17	CD_LM+	CD eject	O	0	0	0
18	CD_LM-	CD loading	O	0	0	0
19	CD_S/L	CD 24PIN connection	O	0	0	5.21
20	CD_WRQ	CD WRQ connection	I	5.34	5.35	4.26
21	CD_INSW1	CD insert SW input	I	0.1	0	0.1
22	CD_SW2	CD MECHA SW2	I	5.17	5.21	0.1
23	CD_LIMIT_SW	CD limit SW	I	0	0	5.18
24	CD_DRF	CD DRF	I	0	0	5.33
25	CD_RST	CD reset	O	5.19	5.22	5.21
26	CD_MUTE	CD mute	O	0	0	5.2
27	N.C.	None	-	-	-	-
28	N.C.	None	-	-	-	-
29	PANEL	Panel detect	I	5.2	5.23	5.2
30	N.C.	GND connection	I	0	0	0
31	N.C.	GND connection	I	0	0	0
32	N.C.	GND connection	I	0	0	0
33	N.C.	None	-	-	-	-
34	N.C.	None	-	-	-	-
35	N.C.	None	-	-	-	-
36	N.C.	None	-	-	-	-
37	N.C.	None	-	-	-	-
38	N.C.	None	-	-	-	-
39	VDDPORT	Power supply of PORT	-	5.19	5.22	5.21
40	VSSPORT	GND of PORT	-	0	0	0
41	N.C.	None	-	-	-	-
42	N.C.	None	-	-	-	-
43	N.C.	None	-	-	-	-
44	N.C.	None	-	-	-	-
45	N.C.	None	-	-	-	-
46	N.C.	None	-	-	-	-
47	N.C.	None	-	-	-	-
48	N.C.	None	-	-	-	-
49	PWR_CNT	Power control	O	5.12	5.2	5.19
50	AMP_CNT	Amp stand-by	O	5.12	5.2	5.19
51	AMP_MUTE	Amp mute	O	5.19	5.21	5.21
52	N.C.	None	-	-	-	-
53	SSC	Tuner search sensitivity change	O	0	0	0
54	N.C.(AF_MUTE)	None	-	-	-	-
55	I2C_DATA	Electronic VOL data	O	5.2	5.21	5.21
56	I2C_CLK	Electronic VOL clock	O	5.2	5.21	5.21
57	ANT_CNT	Motor antena control	O	5.19	5.21	0
58	POWER_LED	Power LED	O	0.15	0.15	0.12
59	N.C.	None	-	-	-	-
60	N.C. (BZ_OUT)	None	-	-	-	-
61	N.C.	None	-	-	-	-
62	N.C.	None	-	-	-	-
63	N.C.	None	-	-	-	-
64	N.C.	None	-	-	-	-
65	N.C.	None	-	-	-	-
66	TEL_MUTE	External MUTE input	I	5.36	5.35	5.33
67	BATT	Battery detection	I	5.36	5.35	5.33
68	MODE_B	ROTARY B input	I	5.17	5.18	0
69	RDS_CLK	RDS clock	I	0	0	0
70	REM_IN	Remocon data input	I	0	0	0
71	MODE_A	ROTARY A input	I	5.17	5.13	5.16
72	CDC_STB	CD changer strobe input	I	0	0	0
73	NC	None	-	-	-	-
74	MONO	Compulsion MONO ON	O	0	0	0
75	AM_MODE	AM change	O	8.21	0.13	8.23
76	FM_MODE	FM change	O	0.13	8.2	8.23
77	N.C.	GND connection	I	0	0	0
78	INIT_C	Initial value C	I	0	0	0
79	INIT_B	Initial value B	I	5.16	5.19	5.19
80	INIT_A	Initial value A	I	0	0	0
81	VSS	GND connection	-	0	0	0
82	RDS_DATA	RDS data	I	0	0	0
83	ST	FM stereo input	I	5.34	5.2	5.4
84	SD_FM/AM	Signal detection	I	3.12	3.43	0
85	N.C.	GND connection	I	0	0	0
86	RESET	Reset Input	I	5.2(PWR OFF)	6.4(PWR OFF)	5.2(EJECT)
87	ACC	Power supply	I	5.42	5.42	5.42
88	N.C.	GND connection	I	0	0	0
89	N.C.	GND connection	I	0	0	0
90	FM/AM_IFC	FM/AM IF input	I	1.42	1.42	0
91	N.C.	GND connection	I	0	0	0
92	SUBPD	None	O	2	2.02	0
93	VDDPLL	Power supply of PLL	-	5.23	5.22	5.2
94	N.C.	GND connection	I	0	0	0
95	OSC_FM/AM	FM/AM osc input	I	1.39	1.26	0
96	VSSPLL	GND connection	-	0	0	0
97	N.C.	None	-	-	-	-
98	EO1	PLL phase comparison error output	O	2	2.02	0
99	TEST1	GND connection	I	0	0	0
100	XOUT	4. 5 MHz X'tal and Connection	O	2.62	2.63	2.62

Note 1 :

Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

10.2. Display Block

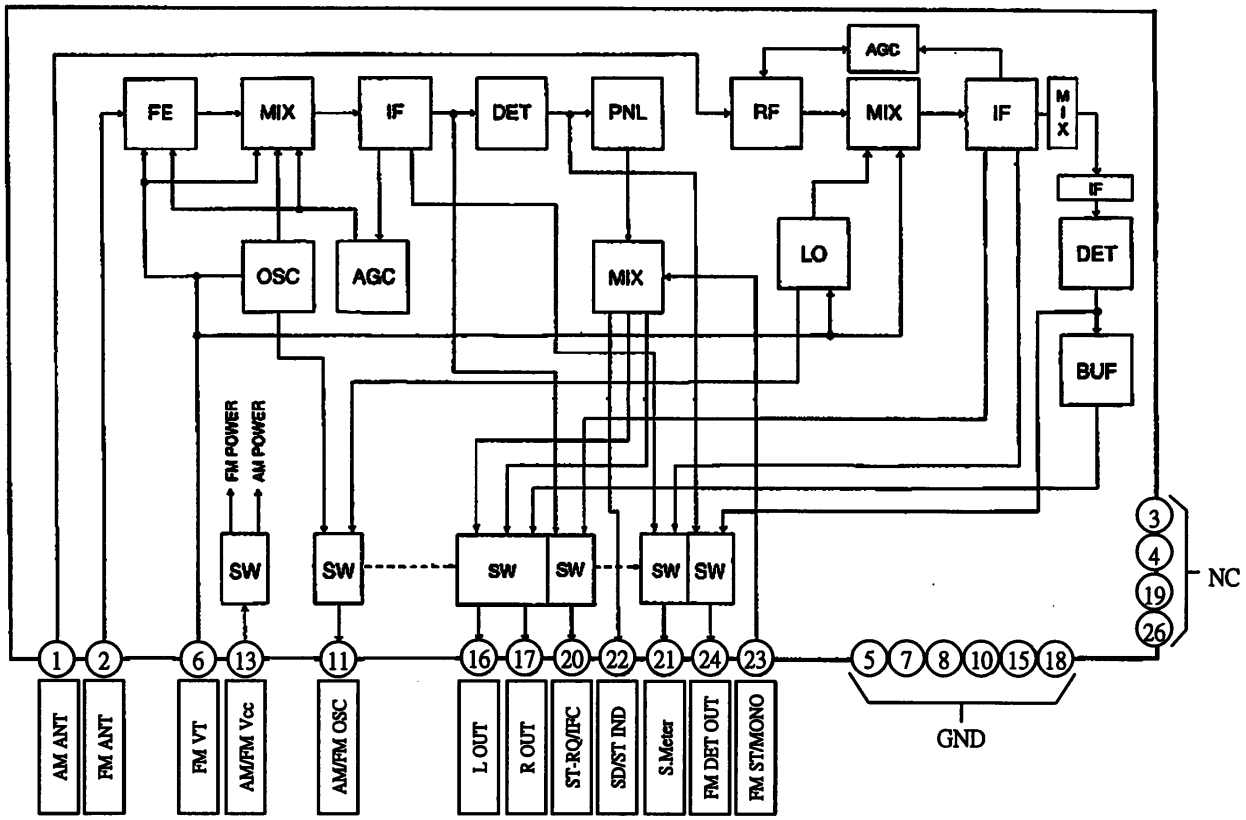
IC901 : YEAMLC75854W

Pin No.	Port	Descriptions	I/O (V)	(V)
1-4	NC	No connection	-	-
5-39	SEG5-39	LCD segment	O	2.5
40-43	COM1-4	LCD common	O	2.5
44-49	KS1-6	Key data output	O	0.9
50-54	KI1-5	Key data input	I	0

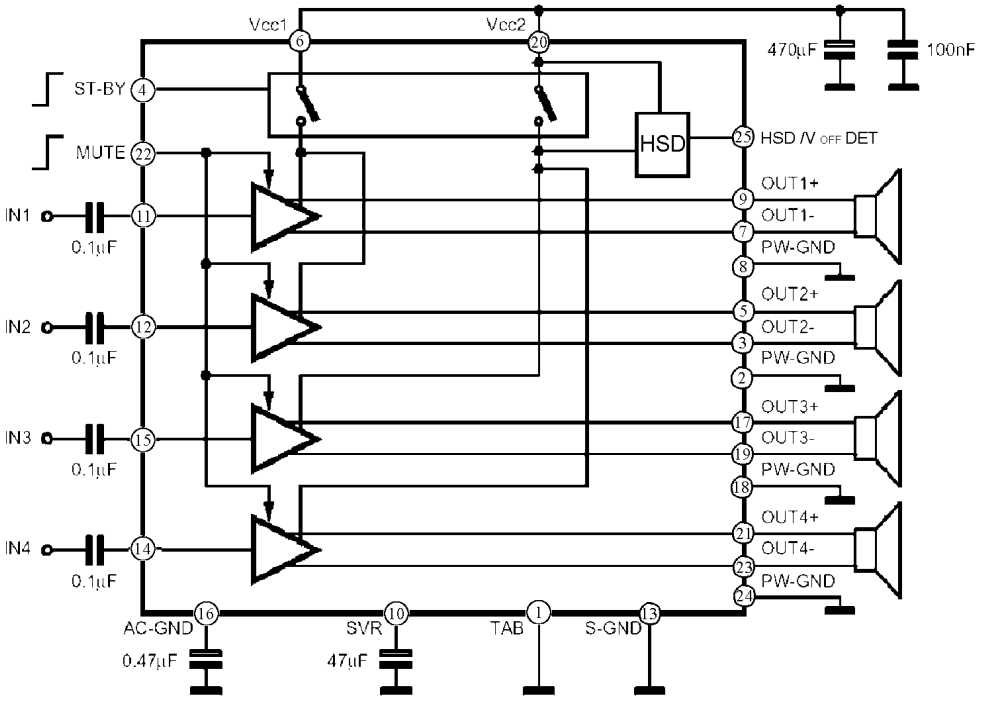
Pin No.	Port	Descriptions	I/O (V)	(V)
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5.1
57	VDD1	Ground through capacitor	-	3.3
58	VDD2	Ground through capacitor	-	1.7
59	Vss	Ground	-	0
60	OSC	CR oscillator	-	3.9
61	DO	Key data output	O	4.4
62	CE	Chip enable	I	0
63	CLK	LCD clock	I	0
64	DI	LCD data input	I	0

11 PACKAGE AND IC BLOCK DIAGRAM

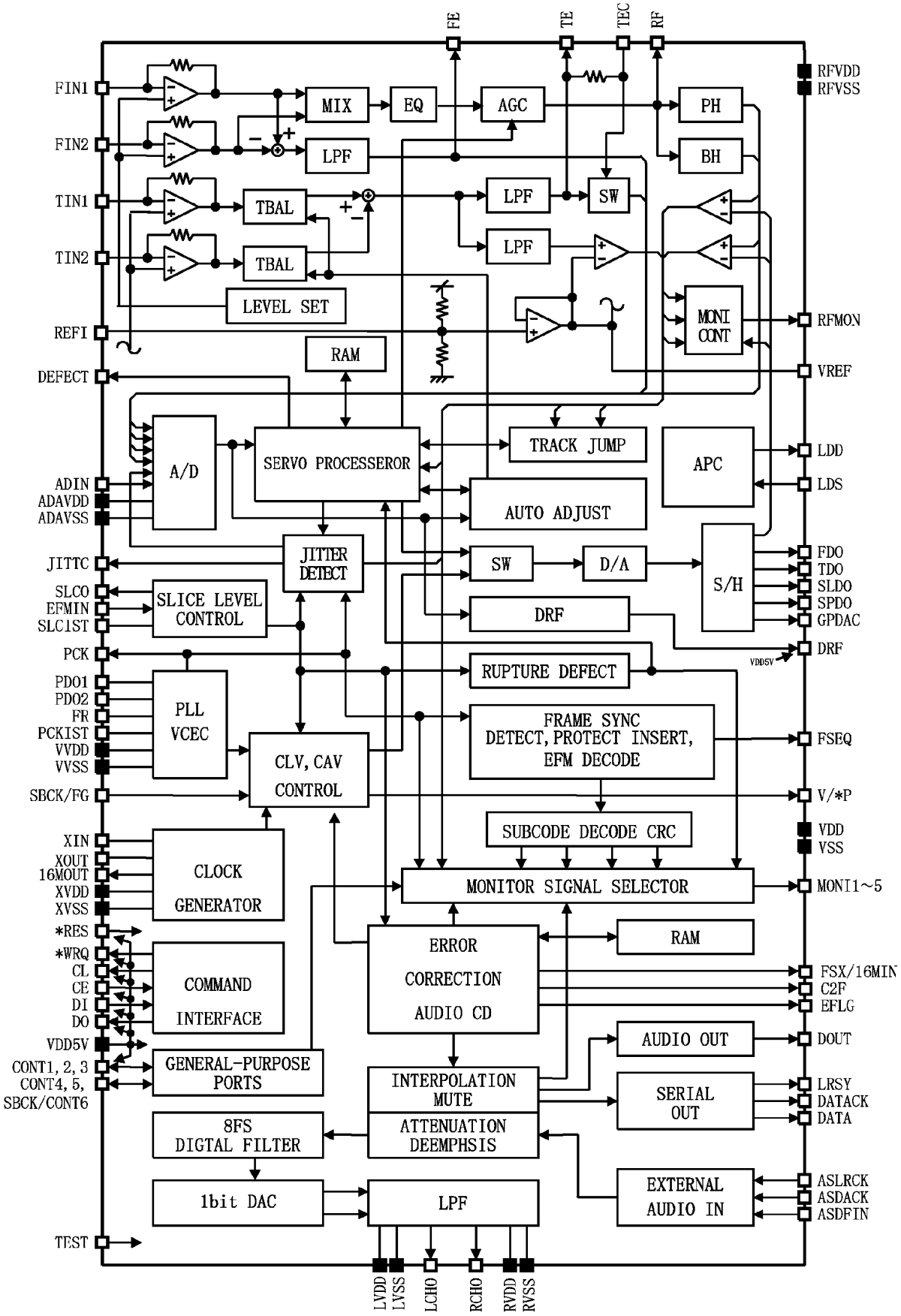
11.1. Main Block



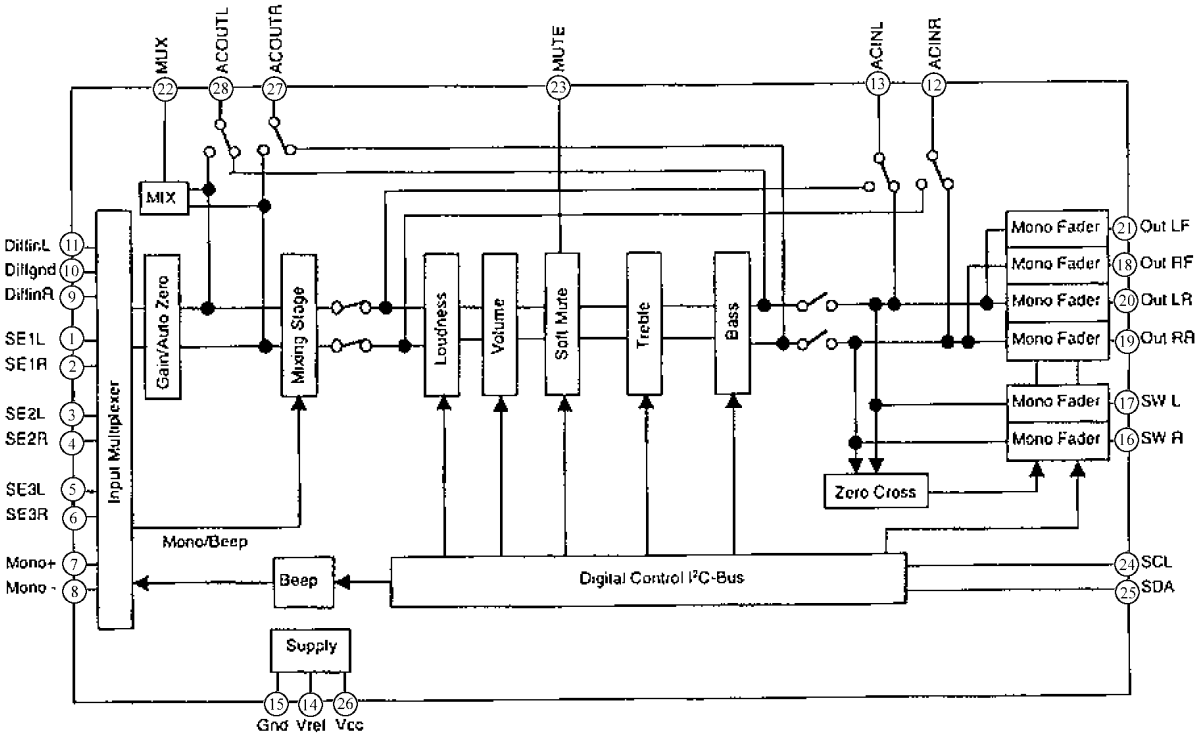
P50:J3CCBC000010



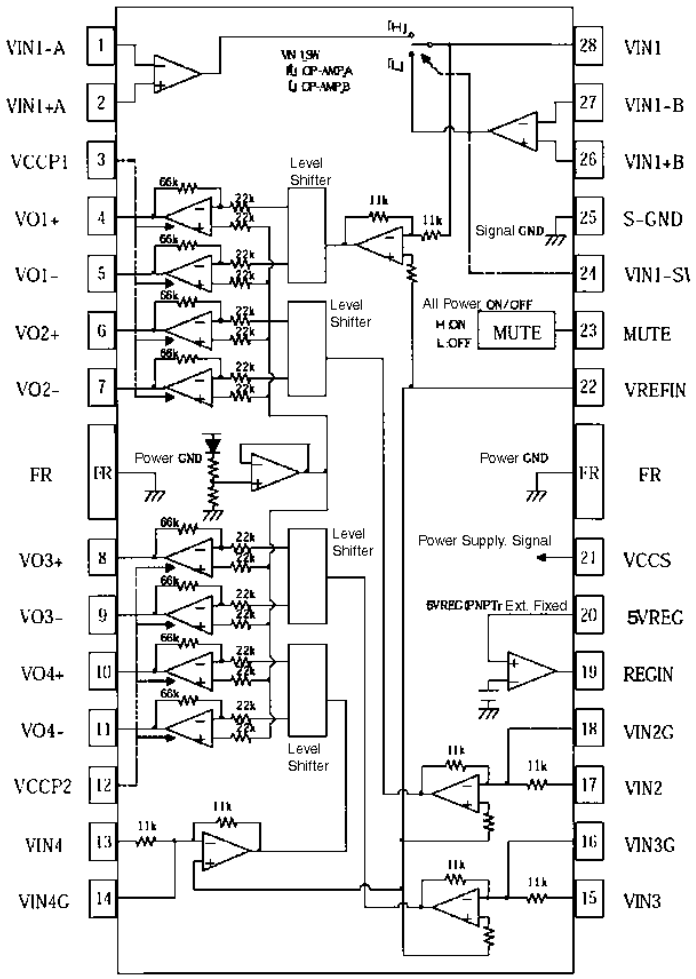
IC270 : C1EA00000042



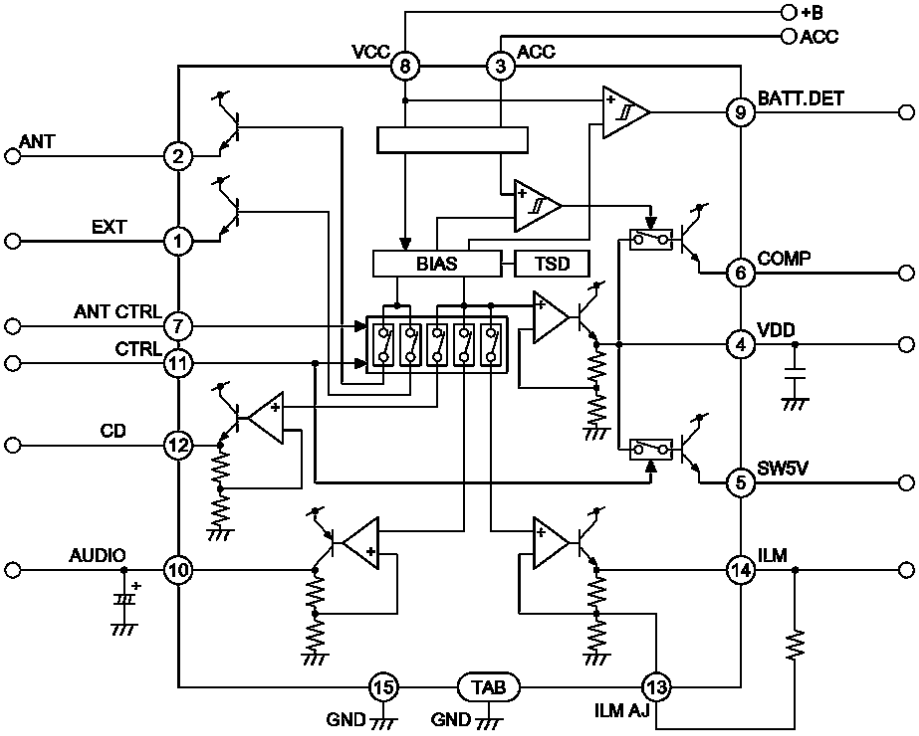
IC1 : C1BB00001089



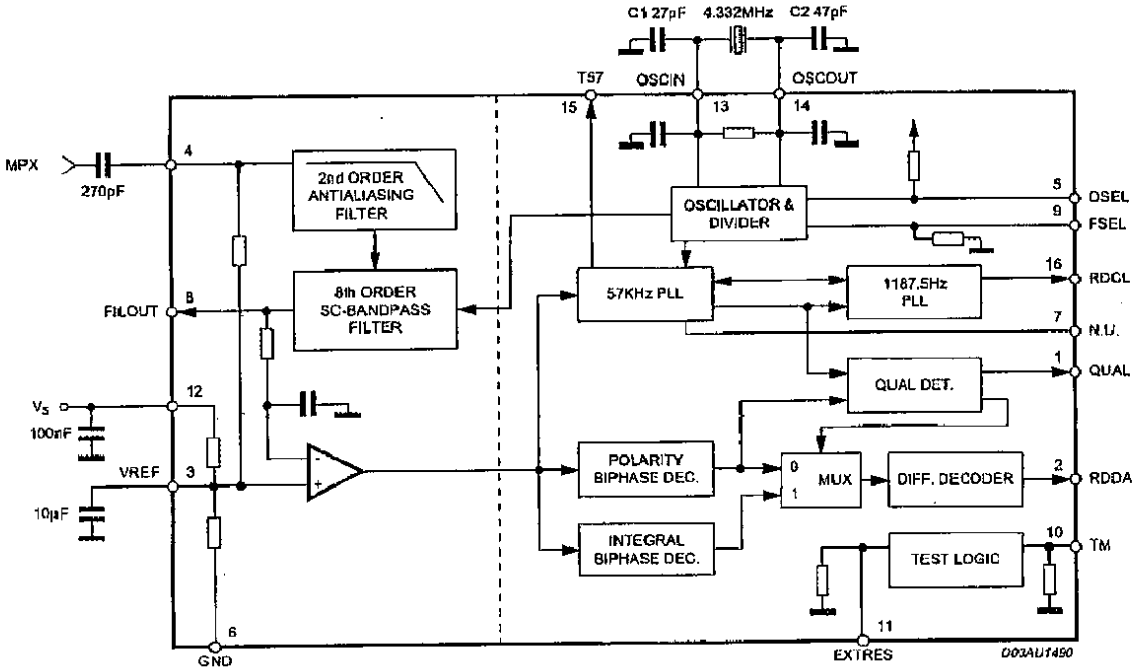
IC300 : C1BB00000543



IC2 : C1BB00001088



IC701 : C0DAZHF00004



IC201 : C1BB00000960

12 REPLACEMENT PARTS LIST

Note:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "T" marks in remarks colum are indicated supply parts of TAMACO.

▪ Order intake period is basically six months after the first shipment

Ref. No.	Part No.	Part Name & Description	Remarks
1. IC's and Transistors			
MAIN BLOCK [E-4C290]			
IC1	C1BB00001089	IC	T
IC2	C1BB00001088	IC	T
IC201	C1BB00000960	IC	T
IC270	C1EA00000042	IC	T
IC300	C1BB00000543	IC	T
IC601	LC7237849D08	IC	T
IC701	C0DAZHF00004	IC	T
P50	J3CCBC000010	Tuner	T
Q1	YEAN2SA1317T	Transistor	T
Q2	B1BCCF000013	Transistor	T
Q50	B1GDCFEH0001	Transistor	T
Q51	B1GBCFNN0004	Transistor	T
Q52	B1ABCF000044	Transistor	T
Q53	B1AAEC000002	Transistor	T
Q54	B1GDCFEH0001	Transistor	T
Q401	B1CAHF000003	Transistor	T
Q701	YEANKRA104M	Transistor	T
Q702	B1GACFCJ0003	Transistor	T
DISPLAY BLOCK [E-4C292]			
IC901	YEAMLC75854W	IC	T
Q901	YEANKRA102S	Transistor	T
2. Diodes			
MAIN BLOCK [E-4C290]			
D604	B0ACCK000005	Diode	T
D605	B0ACCK000005	Diode	T
D607	B0AADL000002	Diode	T
D608	B0AADL000002	Diode	T
D610	B0AADL000002	Diode	T
D706	B0BC6R700006	Diode	T
D707	YEADSM5819A	Diode	T
D708	YEAD1N5404FT	Diode	T
D710	YEAD1N4005ST	Silicon Diode	T
D714	YEAD1N4005ST	Silicon Diode	T
D961	YEAD1N4005ST	Silicon Diode	T
D962	YEAD1N4005ST	Silicon Diode	T
D963	YEAD1N4005ST	Silicon Diode	T
D964	YEAD1N4005ST	Silicon Diode	T
D965	YEAD1N4005ST	Silicon Diode	T
D966	YEAD1N4005ST	Silicon Diode	T
D967	YEAD1N4005ST	Silicon Diode	T
D968	YEAD1N4005ST	Silicon Diode	T
DISPLAY BLOCK [E-4C292]			
D901	YEADSPADB01	LED (BLUE)	T
D902	YEADSPADR01	LED (RED)	T
D903	YEADSPADR01	LED (RED)	T
D905	YEADSPADR01	LED (RED)	T
D906	YEADSPADR01	LED (RED)	T
D907	YEADSPADR01	LED (RED)	T
D908	YEADSPADR01	LED (RED)	T
D909	YEADSPADR01	LED (RED)	T
D910	YEADSPADR01	LED (RED)	T
D911	YEADSPADR01	LED (RED)	T
D912	YEADSPADR01	LED (RED)	T
D913	YEADSPADR01	LED (RED)	T
D951	B3AAB0000213	CHIP LED (WHITE)	T
D952	MAZ80560ML	Zener Diode	T
3. Capacitors			
MAIN BLOCK [E-4C290]			
C1	F2A1A330A352	Electrolytic 33pF 10WV	T
C2	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C3	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C4	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C5	F1J1H102A733	Ceramic 1000pF 50WV	T
C6	EEAFC0J560H	Electrolytic 56PF 6.3WV	T
C7	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C8	ECEA1AKA221IV	Electrolytic 220PF 10WV	T
C9	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C10	F2A0J101A049	Electrolytic 100pF 6.3WV	T
C11	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C12	F1J1H470A732	Ceramic 47pF 50WV	T
C13	F1J1H473A733	Ceramic 0.047MFD 50WV	T
C14	F1J1H472A733	Ceramic 0.0047MFD 50WV	T
C15	F2A1C100A041	Electrolytic 10pF 16WV	T
C16	F1J1H224A784	Chip 0.22MFD 50WV	T
C17	F1J1H470A732	Ceramic 47pF 50WV	T
C18	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C19	F2A0J101A020	Electrolytic 100pF 6.3WV	T
C20	F2A1A101A354	Electrolytic 100pF 10WV	T
C21	F2A0J101A049	Electrolytic 100pF 6.3WV	T
C22	F2A0J101A020	Electrolytic 100pF 6.3WV	T
C23	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C24	F2A0J331A020	Electrolytic 330pF 6.3WV	T
C25	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C26	F1J1H561A733	Ceramic 560pF 50WV	T
C33	ECEA0JKS470IV	Electrolytic 47PF 6.3WV	T
C34	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C35	F1J1H473A733	Ceramic 0.047MFD 50WV	T
C36	ECUV105K16AT	Ceramic 1MFD 16WV	T
C37	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C38	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C39	F2A0J101A049	Electrolytic 100pF 6.3WV	T
C40	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C44	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C45	F2A1A101A354	Electrolytic 100pF 10WV	T
C46	F2A0J101A049	Electrolytic 100pF 6.3WV	T
C47	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C48	F1J1H221A733	Chip 220pF 50WV	T
C49	F1J1H222A733	Chip 2200pF 50WV	T
C50	F2A1A101A354	Electrolytic 100pF 10WV	T
C51	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C52	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C54	F3F1D105A042	Ceramic 1MFD 20WV	T
C61	F1J1H470A732	Ceramic 47pF 50WV	T
C65	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C72	F2A1A101A354	Electrolytic 100pF 10WV	T
C73	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C74	F1J1H153A733	Ceramic 0.015MFD 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C75	F1J1H153A733	Ceramic 0.015MFD 50WV	T
C76	F1K1E223A069	Ceramic 0.022MFD 25WV	T
C77	F1J1H123A733	Ceramic 0.012MFD 50WV	T
C78	F1J1H682A733	Ceramic 6800pF 50WV	T
C79	F2A1A101A354	Electrolytic 100pF 10WV	T
C106	ECEA1AKA221IV	Electrolytic 220PF 10WV	T
C107	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C108	ECQV1H683JL2	Plastic Film 0.068MFD 50WV	T
C201	F1J1H271A733	Chip 270pF 50WV	T
C202	F2A1C100A041	Electrolytic 10pF 16WV	T
C203	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C204	F1J1H100A732	Ceramic 10pF 50WV	T
C205	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C206	F2A0J470A407	Electrolytic 47pF 6.3WV	T
C207	F1J1H100A732	Ceramic 10pF 50WV	T
C208	F1J1H471A733	Ceramic 470pF 50WV	T
C209	F1J1H102A733	Ceramic 1000pF 50WV	T
C210	F1J1H102A733	Ceramic 1000pF 50WV	T
C215	F2A1C100A041	Electrolytic 10pF 16WV	T
C216	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C217	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C218	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C219	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C220	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C221	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C249	F1J1H222A733	Chip 2200pF 50WV	T
C250	F1J1H222A733	Chip 2200pF 50WV	T
C271	ECQV1H224JL2	Plastic Film 0.22MFD 50WV	T
C272	ECQV1H224JL2	Plastic Film 0.22MFD 50WV	T
C290	ECUV105K16AT	Ceramic 1MFD 16WV	T
C291	ECUV105K16AT	Ceramic 1MFD 16WV	T
C294	ECUV105K16AT	Ceramic 1MFD 16WV	T
C295	ECUV105K16AT	Ceramic 1MFD 16WV	T
C320	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C349	F1J1H222A733	Chip 2200pF 50WV	T
C350	F1J1H222A733	Chip 2200pF 50WV	T
C371	ECQV1H224JL2	Plastic Film 0.22MFD 50WV	T
C372	ECQV1H224JL2	Plastic Film 0.22MFD 50WV	T
C380	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C600	F1J1H220A732	Chip 22pF 50WV	T
C601	F1J1H220A732	Chip 22pF 50WV	T
C602	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C603	ECA0JM102J	Electrolytic 1000PF 6.3WV	T
C605	ECUV105K16AT	Ceramic 1MFD 16WV	T
C607	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C608	F1K1H101A153	Ceramic 100pF 50WV	T
C610	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C611	F1J1H102A733	Ceramic 1000pF 50WV	T
C612	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C620	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C621	F1K1H103A116	Ceramic 0.01MFD 50WV	T
C622	ECUV105K16AT	Ceramic 1MFD 16WV	T
C631	F2A1C100A041	Electrolytic 10pF 16WV	T
C702	EEAFC1A820H	Electrolytic 82PF 10WV	T
C703	F1K1H103A116	Ceramic 0.01MFD 50WV	T
C704	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C705	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C706	ECEA1CKA101IV	Electrolytic 100PF 16WV	T
C707	F1K1H103A116	Ceramic 0.01MFD 50WV	T
C708	F2A1A101A354	Electrolytic 100pF 10WV	T
C710	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C711	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C712	F1K1H104A116	Ceramic 0.1MFD 50WV	T
C713	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C714	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C715	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C716	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C718	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C720	ECA1CPX222L	Electrolytic 2200PF 16WV	T
C721	F2A1H2R2A407	Electrolytic 2.2pF 50WV	T
C722	F2A1H1R0A407	Electrolytic 1pF 50WV	T
C727	F2A1A101A354	Electrolytic 100pF 10WV	T
C802	ECEA1AKA221IV	Electrolytic 220PF 10WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
XL01	YEXL16M9X54A	Ceramic Filter	T
DISPLAY BLOCK [E-4C292]			
C901	F1J1H104A036	Ceramic 0.1MFD 50WV	T
C902	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C903	F1J1H103A733	Ceramic 0.01MFD 50WV	T
C904	F1J1H821A733	Ceramic 820pF 50WV	T
C907	F1J1H103A733	Ceramic 0.01MFD 50WV	T
CD INTERFACE BLOCK [E-4C288]			
C1	F1J1H104A036	Ceramic 0.1MFD 50WV	T
4. Resistors			
MAIN BLOCK [E-4C290]			
J4	D0GDR00JA017	Chip 0 ohms 1/10W	T
J13	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J18	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J19	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J21	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J28	D0GDR00JA017	Chip 0 ohms 1/10W	T
J29	D0GDR00JA017	Chip 0 ohms 1/10W	T
J30	D0GDR00JA017	Chip 0 ohms 1/10W	T
J31	D0GDR00JA017	Chip 0 ohms 1/10W	T
J60	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J61	D0GDR00JA017	Chip 0 ohms 1/10W	T
J62	D0GDR00JA017	Chip 0 ohms 1/10W	T
J200	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J208	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J210	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J217	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J226	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J230	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J232	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J235	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J244	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J246	D0GDR00JA017	Chip 0 ohms 1/10W	T
J247	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J248	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J260	D0GDR00JA017	Chip 0 ohms 1/10W	T
J269	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J270	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J272	D0GDR00JA017	Chip 0 ohms 1/10W	T
J273	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J274	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J276	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J277	D0GDR00JA017	Chip 0 ohms 1/10W	T
J278	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J281	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J282	D0GDR00JA017	Chip 0 ohms 1/10W	T
J284	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J285	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J286	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J287	D0GDR00JA017	Chip 0 ohms 1/10W	T
J288	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J293	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J294	D0GDR00JA017	Chip 0 ohms 1/10W	T
J295	D0GDR00JA017	Chip 0 ohms 1/10W	T
J297	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J300	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J307	D0GDR00JA017	Chip 0 ohms 1/10W	T
J308	D0GDR00JA017	Chip 0 ohms 1/10W	T
J309	D0GDR00JA017	Chip 0 ohms 1/10W	T
J312	D0GDR00JA017	Chip 0 ohms 1/10W	T
J317	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J325	D0GDR00JA017	Chip 0 ohms 1/10W	T
J331	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J332	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J333	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J334	ERJ8GX0R00V	Chip 0 ohms 1/8W	T

Ref. No.	Part No.	Part Name & Description	Remarks
J335	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J336	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J337	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J340	D0GDR00JA017	Chip 0 ohms 1/10W	T
J341	D0GDR00JA017	Chip 0 ohms 1/10W	T
J342	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J343	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J344	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J345	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J346	D0GDR00JA017	Chip 0 ohms 1/10W	T
J348	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J349	D0GDR00JA017	Chip 0 ohms 1/10W	T
J350	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J351	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J400	D0GD221JA017	Chip 220 ohms 1/10W	T
J401	D0GDR00JA017	Chip 0 ohms 1/10W	T
J502	D0GDR00JA017	Chip 0 ohms 1/10W	T
J601	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J602	D0GDR00JA017	Chip 0 ohms 1/10W	T
J604	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J607	D0GDR00JA017	Chip 0 ohms 1/10W	T
J610	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J611	D0GDR00JA017	Chip 0 ohms 1/10W	T
J613	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J616	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J617	D0GDR00JA017	Chip 0 ohms 1/10W	T
J618	D0GDR00JA017	Chip 0 ohms 1/10W	T
J620	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J701	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J801	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J802	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J803	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J804	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J806	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J807	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J808	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J809	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J810	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J811	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J817	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J818	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J819	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J820	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
R1	D0AE823JA131	Chip 82k ohms 1/4W	T
R2	D0GD102JA017	Chip 1k ohms 1/10W	T
R3	D0AE183JA131	Chip 18k ohms 1/4W	T
R4	D0AE183JA131	Chip 18k ohms 1/4W	T
R5	D0GD102JA017	Chip 1k ohms 1/10W	T
R6	D0AE823JA131	Chip 82k ohms 1/4W	T
R7	D0AE470JA131	Chip 47 ohms 1/4W	T
R8	D0GD3R3JA052	Chip 3.3 ohms 1/10W	T
R9	D0GD103JA017	Chip 10k ohms 1/10W	T
R10	D0GD331JA017	Chip 330 ohms 1/10W	T
R11	D0GD273JA017	Chip 27k ohms 1/10W	T
R12	D0GD622JA017	Chip 6.2k ohms 1/10W	T
R13	D0GDR00JA017	Chip 0 ohms 1/10W	T
R21	D0GD820JA017	Chip 82 ohms 1/10W	T
R22	D0GD681JA017	Chip 680 ohms 1/10W	T
R23	D0GD681JA017	Chip 680 ohms 1/10W	T
R24	D0GD123JA017	Chip 12k ohms 1/10W	T
R25	D0GD122JA017	Chip 1.2k ohms 1/10W	T
R26	D0GF820JA029	Chip 68k ohms 1/9W	T
R36	D0GD272JA017	Chip 2.7k ohms 1/10W	T
R40	D0AE103JA131	Chip 10k ohms 1/4W	T
R41	D0GD622JA017	Chip 6.2k ohms 1/10W	T
R42	D0GD333JA017	Chip 33k ohms 1/10W	T
R43	D0GD333JA017	Chip 33k ohms 1/10W	T
R48	D0AE223JA131	Chip 22k ohms 1/4W	T
R49	D0AE103JA131	Chip 10k ohms 1/4W	T
R50	D0GF223JA017	Chip 22k ohms 1/8W	T
R51	D0GD682JA017	Chip 6.8k ohms 1/10W	T
R52	D0AE223JA131	Chip 22k ohms 1/4W	T
R53	ERJ6GEYJ685V	Chip 68M ohms 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R59	D0AZ102JA008	Chip 1k ohms 1/6W	T
R60	ERJ8GEYJ5R6V	Chip 5.6 ohms 1/8W	T
R61	D0GDR00JA017	Chip 0 ohms 1/10W	T
R62	D0GD101JA017	Chip 100 ohms 1/10W	T
R66	D0GD393JA017	Chip 39k ohms 1/10W	T
R67	D0GD123JA017	Chip 12k ohms 1/10W	T
R68	D0GD123JA017	Chip 12k ohms 1/10W	T
R69	D0GF221JA017	Chip 220 ohms 1/8W	T
R70	D0GD102JA017	Chip 1k ohms 1/10W	T
R102	D0GF511JA017	Chip 510 ohms 1/8W	T
R103	D0GD512JA017	Chip 5k ohms 1/8W	T
R104	D0GD331JA017	Chip 330 ohms 1/10W	T
R105	D0AZ100JA008	Chip 10 ohms 1/6W	T
R201	D0GD102JA017	Chip 1k ohms 1/10W	T
R202	D0GD334JA017	Chip 330k ohms 1/10W	T
R203	D0GD222JA017	Chip 2.2k ohms 1/10W	T
R204	D0GD103JA017	Chip 10k ohms 1/10W	T
R205	D0GD103JA017	Chip 10k ohms 1/10W	T
R208	D0AE102JA131	Chip 1k ohms 1/4W	T
R209	D0AE102JA131	Chip 1k ohms 1/4W	T
R210	D0GD225JA017	Chip 2.2M ohms 1/10W	T
R241	D0GD103JA017	Chip 10k ohms 1/10W	T
R242	D0GD103JA017	Chip 10k ohms 1/10W	T
R261	D0GD181JA017	Chip 180 ohms 1/10W	T
R262	D0GF181JA017	Chip 180 ohms 1/8W	T
R271	D0GD561JA017	Chip 560 ohms 1/10w	T
R272	D0GD561JA017	Chip 560 ohms 1/10w	T
R280	ERD25TJ562T	Carbon 5.6k ohms 1/4W	T
R284	ERD25TJ562T	Carbon 5.6k ohms 1/4W	T
R341	D0GD103JA017	Chip 10k ohms 1/10W	T
R342	D0GD103JA017	Chip 10k ohms 1/10W	T
R361	D0GF181JA017	Chip 180 ohms 1/8W	T
R362	D0GD181JA017	Chip 180 ohms 1/10W	T
R371	D0GD561JA017	Chip 560 ohms 1/10w	T
R372	D0GD561JA017	Chip 560 ohms 1/10w	T
R601	D0GD473JA017	Chip 47k ohms 1/10W	T
R603	D0GD473JA017	Chip 47k ohms 1/10W	T
R605	D0GD473JA017	Chip 47k ohms 1/10W	T
R606	D0AZ103JA008	Chip 10k ohms 1/6W	T
R607	D0AZ103JA008	Chip 10k ohms 1/6W	T
R608	D0GD104JA017	Chip 100k ohms 1/10W	T
R609	D0AE102JA131	Chip 1k ohms 1/4W	T
R610	D0AE102JA131	Chip 1k ohms 1/4W	T
R611	D0AZ102JA008	Chip 1k ohms 1/6W	T
R612	D0AE102JA131	Chip 1k ohms 1/4W	T
R613	D0AZ102JA008	Chip 1k ohms 1/6W	T
R616	D0AE102JA131	Chip 1k ohms 1/4W	T
R617	D0GD473JA017	Chip 47k ohms 1/10W	T
R618	D0GD103JA017	Chip 10k ohms 1/10W	T
R619	D0GF102JA014	Chip 1k ohms 1/8W	T
R622	D0AZ473JA008	Chip 47k ohms 1/6W	T
R624	D0GF333JA017	Chip 3.3k ohms 1/9W	T
R625	D0AZ102JA008	Chip 1k ohms 1/6W	T
R626	D0GD473JA017	Chip 47k ohms 1/10W	T
R627	D0GD473JA017	Chip 47k ohms 1/10W	T
R628	D0GF473JA017	Chip 47k ohms 1/10W	T
R629	D0GD473JA017	Chip 47k ohms 1/10W	T
R634	D0AZ682JA008	Chip 6.8k ohms 1/6W	T
R636	D0GD223JA017	Chip 22k ohms 1/10W	T
R640	D1HB1024A031	Chip 1k ohms 1/16W	T
R641	D1HB1024A031	Chip 1k ohms 1/16W	T
R642	D1HB1024A031	Chip 1k ohms 1/16W	T
R651	D0GF222JA017	Chip 2.2k ohms 1/8W	T
R652	D0GD473JA017	Chip 47k ohms 1/10W	T
R653	D0GF104JA014	Chip 100k ohms 1/8W	T
R654	D0GF473JA017	Chip 47k ohms 1/10W	T
R660	D0AZ102JA008	Chip 1k ohms 1/6W	T
R661	D0GD102JA017	Chip 1k ohms 1/10W	T
R662	D0AZ104JA008	Chip 100k ohms 1/6W	T
R663	D0GD104JA017	Chip 100k ohms 1/10W	T
R682	D0GD104JA017	Chip 100k ohms 1/10W	T
R683	ERJ6GEYJ475V	Chip 47M ohms 1/10W	T
R701	D0GD473JA017	Chip 47k ohms 1/10W	T

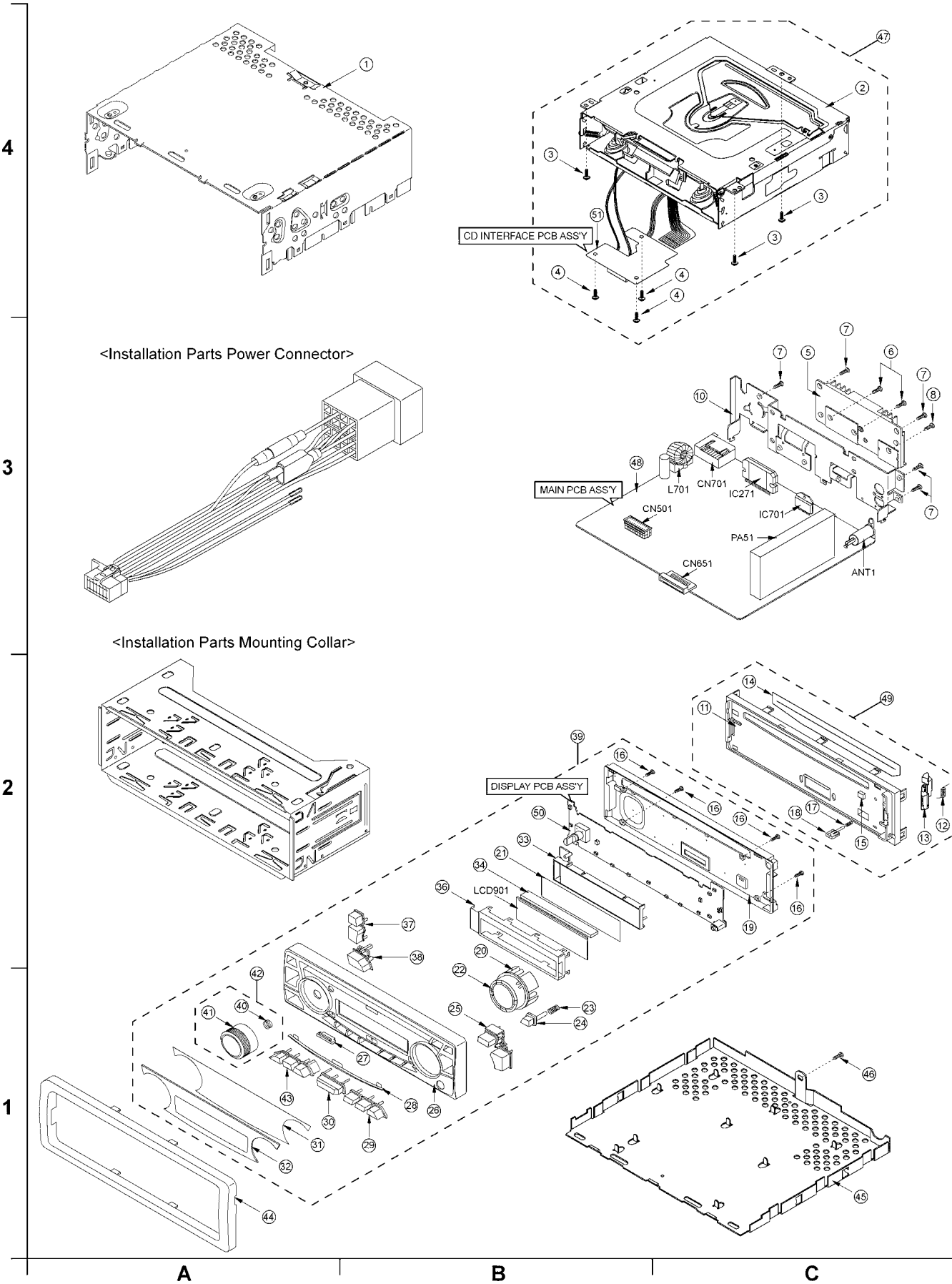
Ref. No.	Part No.	Part Name & Description	Remarks
R702	D0GD153JA017	Chip 15k ohms 1/10W	T
R703	D0AE102JA131	Chip 1k ohms 1/4W	T
R704	D0AE471JA131	Chip 470 ohms 1/4W	T
R705	D0GD333JA017	Chip 33k ohms 1/10W	T
R706	D0GD473JA017	Chip 47k ohms 1/10W	T
R710	D0GD332JA017	Chip 3.3k ohms 1/10W	T
R711	ERDS2TJ823T	Carbon8.2k ohms 1/4W	T
R712	D0GD104JA017	Chip 100k ohms 1/10W	T
R713	D0GF223JA017	Chip 22k ohms 1/8W	T
R714	D0GD122JA017	Chip 1.2k ohms 1/10W	T
R992	D0GD103JA017	Chip 10k ohms 1/10W	T
R993	D0GD163JA017	Chip 16k ohms 1/10W	T
DISPLAY BLOCK [E-4C292]			
R901	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
R902	D0GD4R7JA056	Chip 4.7 ohms 1/10W	T
R903	D0GD683JA017	Chip 68k ohms 1/10W	T
R904	D0GD681JA017	Chip 680 ohms 1/10W	T
R905	D0GD821JA017	Chip 820 ohms 1/10W	T
R906	D0GD561JA017	Chip 560 ohms 1/10w	T
R907	D0GD561JA017	Chip 560 ohms 1/10w	T
R908	D0GD561JA017	Chip 560 ohms 1/10w	T
R909	D0GD241JA017	Chip 240 ohms 1/10W	T
R912	D0GD102JA017	Chip 1k ohms 1/10W	T
R913	D0GD102JA017	Chip 1k ohms 1/10W	T
R914	D0GD102JA017	Chip 1k ohms 1/10W	T
R915	D0GD272JA017	Chip 2.7k ohms 1/10W	T
R916	D0GD102JA017	Chip 1k ohms 1/10W	T
R918	D0GDR00JA017	Chip 0 ohms 1/10W	T
CD INTERFACE BLOCK [E-4C288]			
J30	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J31	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J32	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J33	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J34	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J35	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J36	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
J37	ERJ8GX0R00V	Chip 0 ohms 1/8W	T
5. Connectors			
MAIN BLOCK [E-4C290]			
CN1	YEAE6221101B	Connector	T
CN601	YEAE012475A	Connector	T
CN602	K1KA22A00001	Connector	T
CN700	K1FA116B0028	Connector	T
DISPLAY BLOCK [E-4C292]			
CN901	YEAE4CCN074	Connector	T
CD INTERFACE BLOCK [E-4C288]			
CN1	YEAE4CCN075	Connector	T
CN2	YEAE4CCN057A	Connector	T
6. Electric Parts			
SWITCHES			
SW901	K0H1BA000445	Tack Swich	T
SW902	K0H1BA000445	Tack Swich	T
SW903	K0H1BA000445	Tack Swich	T
SW904	K0H1BA000445	Tack Swich	T
SW905	K0H1BA000445	Tack Swich	T
SW906	K0H1BA000445	Tack Swich	T
SW907	K0H1BA000445	Tack Swich	T
SW908	K0H1BA000445	Tack Swich	T
SW909	K0H1BA000445	Tack Swich	T
SW910	K0H1BA000445	Tack Swich	T
SW911	K0H1BA000445	Tack Swich	T
SW912	K0H1BA000445	Tack Swich	T

Ref. No.	Part No.	Part Name & Description	Remarks
SW913	K0H1BA000445	Tack Swich	T
SW914	K0H1BA000445	Tack Swich	T
SW915	K0H1BA000445	Tack Swich	T
SW916	K0H1BA000445	Tack Swich	T
SW951	K9AA024A0014	Encoder	T
CRYSTAL			
XL201	YEXL4C4332TT	Crystal(7.2MHz)	T
XL601	H0A450000001	Crystal	T
COILS			
L2	G0C221JA0044	Axil Coil	T
L50	G0C150JA0044	Axil Coil	T
L52	G0C8R2JA0044	Axil Coil	T
L61	G1CR56JA0036	Coil	T
L201	G0C330JA0044	Axil Coil	T
L801	G1C100J00001	Coil	T
L700	YETQ024C065V	Choke Coil	T
LCD			
LCD901	YEXDCM4C132	LCD	T
SURGE PRTECTOR			
Z52	D4ZZ00000024	Surge Protector	T
7. Accessories			
PRINT			
	YFM284C506CA	Operating Instructions(ENGLISH)	T
	YFM284C507CA	Operating Instructions(GERMANY)	T
	YFM284C508CA	Operating Instructions(FRANCE)	T
	YFM284C511CA	Operating Instructions(ITALY)	T
	YFM284C512CA	Operating Instructions(SPAIN)	T
	YFM284C509CA	Operating Instructions(FRANCE)	T
	YFM284C510CA	Operating Instructions(SWEDEN)	T
	YFM284C513CA	Operating Instructions(DENMARK)	T
	YFM284C518CA	Installation Instructions	T
	YFM284C519CA	Installation Instructions	T
INSTALLATION PARTS			
	ZZCORD-1021NW	Power Connector	T
	ZZBISC1021N-J	Screw Kit	T
	FX0214C384ZA	Escape Case	T
	YFC054C061ZA	Removable Front Panel Case	T
8. Mechanical Parts			
MISCELLANEOUS			
ANT1	YAA104C700ZA	ANT Jack	T(3-C)
1	YFA034C053CA	Upper Cover	T(4-B)
2	YGFD044C002	CD Deck	T(4-C)
3	XTW2+5FFN	Screw	T(4-C)
4	XTB26+5FFN	Screw	T(4-B)
5	YFF014C055CA	Heat Sink	T(3-C)
6	YEJT034C019N	Screw(CUP TIGHT 3X12)	T(3-C)
7	XTB3+8FFZ	Screw	T(3-C)
8	YJS064C002FN	Screw	T(3-C)
10	YFA084C064CA	Rear Plate	T(3-C)
11	YFC034C012CA	ESC Holder	T(2-C)
12	YFX054C074CA	Spring (HOOK)	T(2-C)
13	YEFX9991682B	Release Hook	T(2-C)
14	YEFS02302	Dust Felt	T(2-C)
15	YEFS011113	Pad	T(2-C)

Ref. No.	Part No.	Part Name & Description	Remarks
16	XTN2+8GFZ	Screw	T(2-C)
17	YFX054C071CA	Spring (PUSH BUTTON)	T(2-C)
18	YFE134C491YA	Button (Push)	T(2-C)
19	YFC034C001CA	ESC Rear Cover	T(2-C)
20	YFE134C510CA	Button (TUNE/TRACK)Ring	T(2-B)
21	YFV024C108CA	Sheet	T(2-B)
22	YFE134C515CA	Button (PTY/AF)	T(1-B)
23	YFX054C072CA	Spring (OPEN)	T(1-B)
24	YFE134C505CA	Button(RELEASE)	T(1-B)
25	YFE134C508CA	Button (DISP/EJ)	T(1-B)
26	YFC034C008CA	ESC Printing	T(1-B)
27	YFX014C091CA	Panel Light (CD)	T(1-B)
28	YFJ014C164CA	ARC Panel	T(1-B)
29	YFE134C513CA	Button (4-6)	T(1-B)
30	YFE134C514CA	Button (SRC/PWR)	T(1-A)
31	YFX994C126CA	Two-Side Tape	T(1-A)
32	YFJ014C176CA	Ornament Panel	T(1-A)
33	YFX014C090CA	Back Light Assy	T(2-B)
34	YFS014C110CA	Rubber Gum	T(2-B)
36	YFX214C405CA	LCD Bracket	T(2-B)
37	YFE134C506CA	Button(BAND/MUTE)	T(2-B)
38	YFE134C507CA	Button (SQ)	T(2-B)
39	ESCC1113NW-J	ESC Unit Assy	T(2-B)/RTL
40	YFX054C073CA	Spring (KNOB)	T(1-A)
41	YFE074C068CA	Vol Knob	T(1-A)
42	YFE074C069CA	VOL Knob ASSY	T(1-A)
43	YFE134C512CA	Button (1-3)	T(1-A)
44	YFC054C079YA	Trim Plate	T(1-A)
45	YFA054C045ZA	Bottom Cover	T(1-C)
46	XSB3+6FN	Screw	T(1-C)
47	AADK288E0-J	Deck Assy	T(4-C)/RTL
48	AAPB290D0-J	Main PCB Ass’y	T(3-B)/RTL
49	ZZFP-193	ESC Hold Assy	T(2-C)
50	APCB292B0-J	Display PCB Assy	T(2-B)/RTL
51	APCB288A0-J	CD Interface PCB Assy	T(4-B)/RTL

13 EXPLODED VIEW (Unit)

■ Numbers in ○ are indicated REF.No.in the REPLACEMENT PARTS LIST



14 CD PLAYER MECHANICAL PARTS LIST

Note:

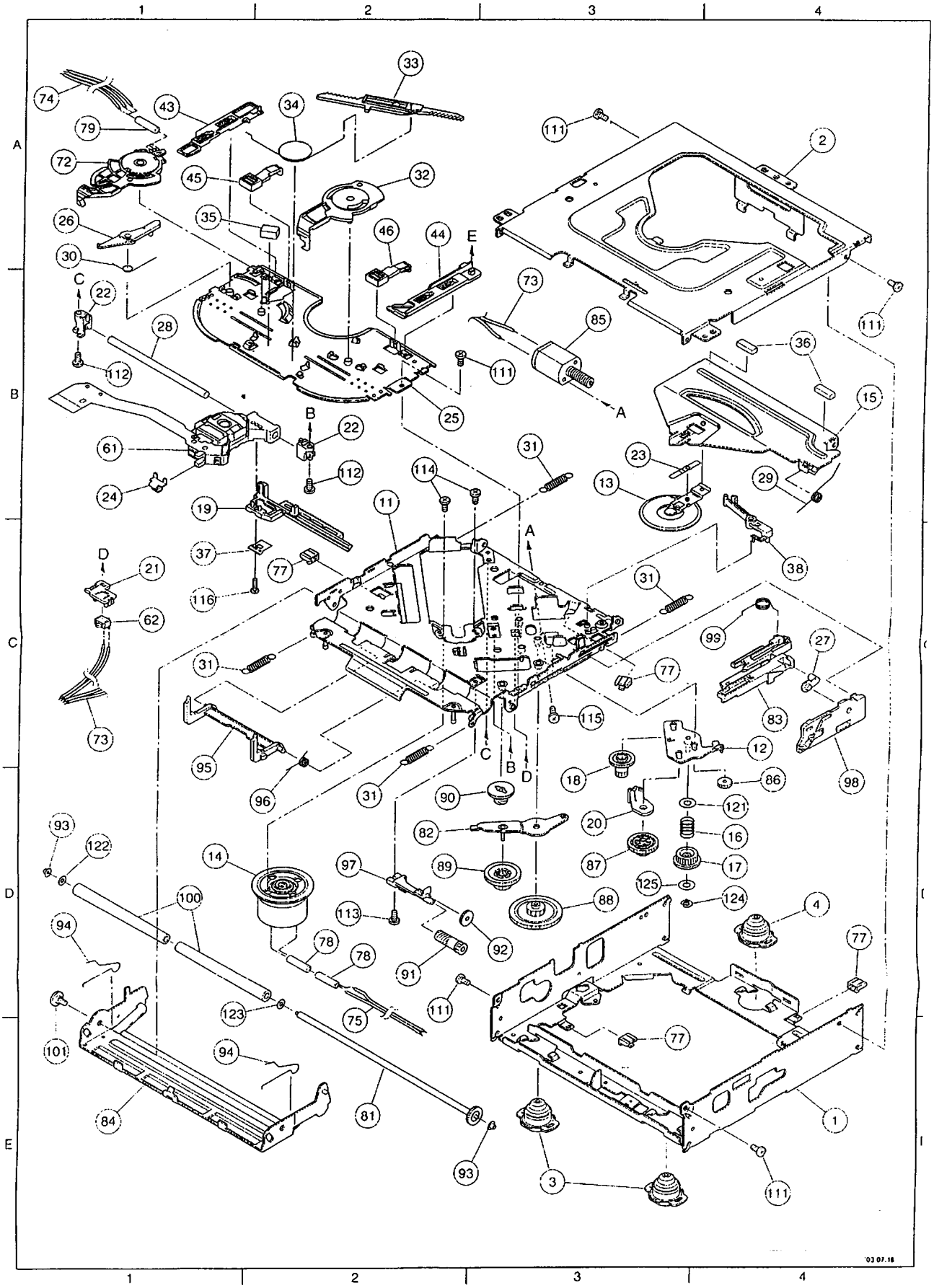
1. Be sure to make your orders of replacement parts according to this list.
2. Important safty notice: Component , indentified by ⚠ mark have special characteristics important for safety. when replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing. as in a load map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. Aft the end of this period, the assembly will no longer be available.
5. "T" marks in remarks colum are indicated supply parts of TAMACO.

▪ Order intake period is basically six months after the first shipment

* "N"marks in remarks colum are indicated supply parts as not available and to order the assembly

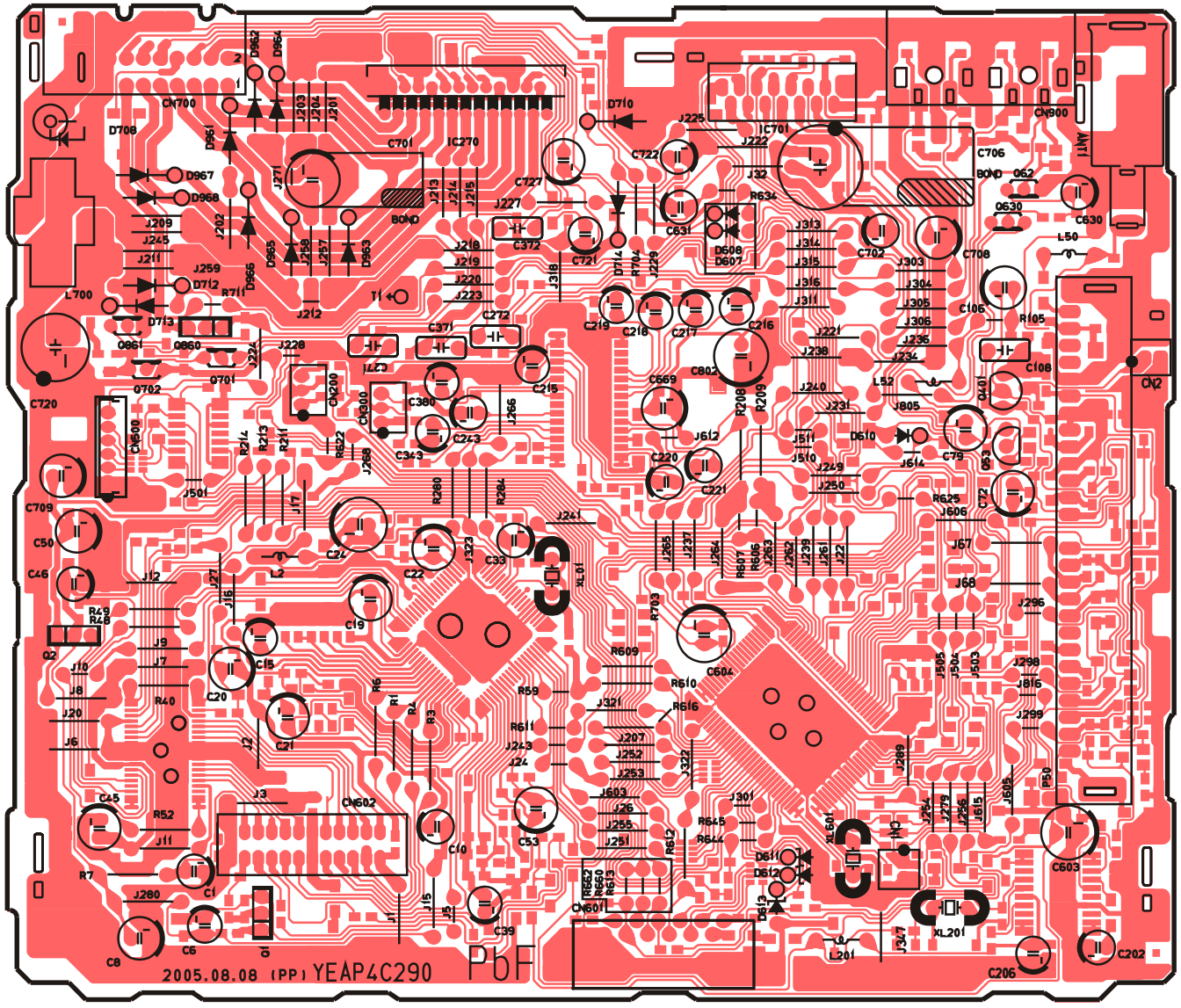
Ref. No.	Part No.	Part Name & Description	Remarks
1	3032 01 36	FRAME (M2)	N(E-4)
2	3032 01 37	TOP COVER (M2)	N(A-4)
3	3032 01 15	DAMPER F	N(E-3)
4	3032 01 16	DAMPER R	N(D-4)
11	3032 05 508	CHASSIS RIVET ASS'Y(M2)	N(B-2)
12	3032 05 504	CHASSIS PLTAE RIVET ASS'Y(M)	N(C-4)
13	3032 05 301	CLAMPER ASS'Y	N(B-3)
14	3032 05 307	SPINDLE MOTOR (M) ASS'Y	T(D-1)
15	3032 05 56	CLAMPER ARM M	N(B-4)
16	3032 05 03	CHANGE GEAR SPRING	N(D-4)
17	3032 05 05	CHANGE GEAR 2	N(D-4)
18	3032 05 06	FEED GEAR	N(D-3)
19	3032 05 51	FEED RACK M	N(B-1)
20	3032 05 53	CHANGE LOCK LEVER M	N(D-3)
21	3032 05 57	FEED SW HOLDER (M)	N(C-1)
22	3032 05 54	PU SHAFT HOLDER (M)	N(B-1); N(B-2)
23	3032 05 13	CLAMPER SUB SPRING	N(B-3)
24	3032 05 58	FD SUB HOLDER M	N(B-1)
25	3032 05 65	TOP PLATE (M2)	N(B-2)
26	3032 05 19	SELECT LOCK ARM	N(A-1)
27	3032 05 21	SLIDE HOOK	N(C-4)
28	3032 05 55	PU SHAFT M	N(B-1)
29	3032 05 59	CLAMPER ARM SPRING M	N(B-4)
30	3032 05 26	SELECT LOCK ARM SPRING	N(A-1)
31	3032 05 62	SUSPENSION SPRING MS	N(B-3); N(C-1); N(C-4); N(D-2)
32	3032 05 64	SELECT ARM R (M2)	N(A-2)
33	3032 05 30	LINK PLATE	N(A-2)
34	3032 05 36	LINK PLATE SPRING S	N(A-2)
35	3032 05 23	CUSHION F	N(A-1)
36	3032 05 24	CUSHION R	N(B-4)
37	3032 05 63	FEED SPR PLATE M	N(C-2)
38	3032 05 61	TRIGGER ARM M	N(C-4)
43	3032 08 03	SELECT PLATE L	N(A-1)
44	3032 08 04	SELECT PLATE R	N(A-2)
45	3032 08 05	SELECT PIECE L	N(A-1)
46	3032 08 06	SELECT PIECE R	N(A-2)
61	6904 16 06	PICK UP RD-DAP005-TN	T(B-1)
62	6418 04 07	DET SW ESE 22MH55	N(C-1)
72	3032 10 02	MODE SW	T(A-1)
73	3032 10 51	LD WIRE MN	T(B-3); T(C-1)
74	3032 10 40	SW WIRE MN	N(A-1)
75	3032 10 39	SP WIRE MN	N(D-2)
77	3032 10 13	WIRE CLAMPER M	N(C-2); N(C-3); N(D-4); N(E-3)
78	3032 10 28	WIRE TUBE SPM	N(D-2)
79	3032 10 29	WIRE TUBE MSW	N(A-1)
81	3032 11 301	ROLLER SHAFT ASS'Y	N(E-2)
82	3032 11 501	LOADING GEAR PLATE RIVET ASS'Y	N(D-2)
83	3032 11 302	LOADING PLATE ASS'Y	N(C-4)
84	3032 11 504	LOCK ARM RIVET ASS'Y (S)	N(E-1)
85	3032 11 305	LOADING / FEED MOTOR ASS'Y (MB)	T(B-3)
86	3032 11 01	LOADING GEAR 1	N(D-4)
87	3032 11 02	LOADING GEAR 2	N(D-3)
88	3032 11 03	LOADING GEAR 3	N(D-3)
89	3032 11 04	LOADING GEAR 4	N(D-2)
90	3032 11 05	LOADING GEAR 5	N(D-2)
91	3032 11 06	LOADING GEAR 6	N(D-2)
92	3032 11 07	LOADING GEAR 7	N(D-3)
93	3032 11 11	ROLLER GUIDE	N(D-1); N(E-3)
94	3032 11 14	ROLLER GUIDE SPRING	N(D-1); N(E-1)
95	3032 11 16	DISC STOPPER ARM	N(C-1)
96	3032 11 17	DISC STOP ARM SPRING	N(D-2)
97	3032 11 18	LD GEAR BRACKET	N(D-2)
98	3032 11 25	L SLIDE PLATE	N(D-4)
99	3032 11 31	LOADING PLATE SPRING	N(C-4)
100	3032 11 37	LDG ROLLER (N)	T(D-1)
101	3032 11 43	COLLAR SCREW	N(E-1)
111	9P04 20 031	TAPPING SCREW 2X3	N(A-3); N(B-3); N(B-4); N(D-2); N(E-4)
112	9P04 20 041	TAPPING SCREW 2X4	N(B-1); N(B-2)
113	9B03 20 041	TAPPING BIND SCREW 2X4	N(D-2)
114	9C01 17 183	CAMERA SCREW 1.7X1.8	N(B-2)
115	9C01 20 203	CAMERA SCREW 2X2	N(C-3)
116	9C45 17 503	CAMERA TAPPING SCREW P3 M1.7X5	N(C-1)
121	9W01 30 170	PW 3.5X8X0.3	N(D-4)
122	9W05 13 060	HLW 1.85X5X0.13	N(D-1)
123	9W07 10 070	LUMILAR WASHER 3.1X6X0.1	N(D-1)
124	9E01 00 152	E RING S 1.5	N(D-4)
125	9W01 13 020	PW 2.1X4X0.13	N(D-3)

15 EXPLODED VIEW (CD Deck)



16 WIRING DIAGRAM

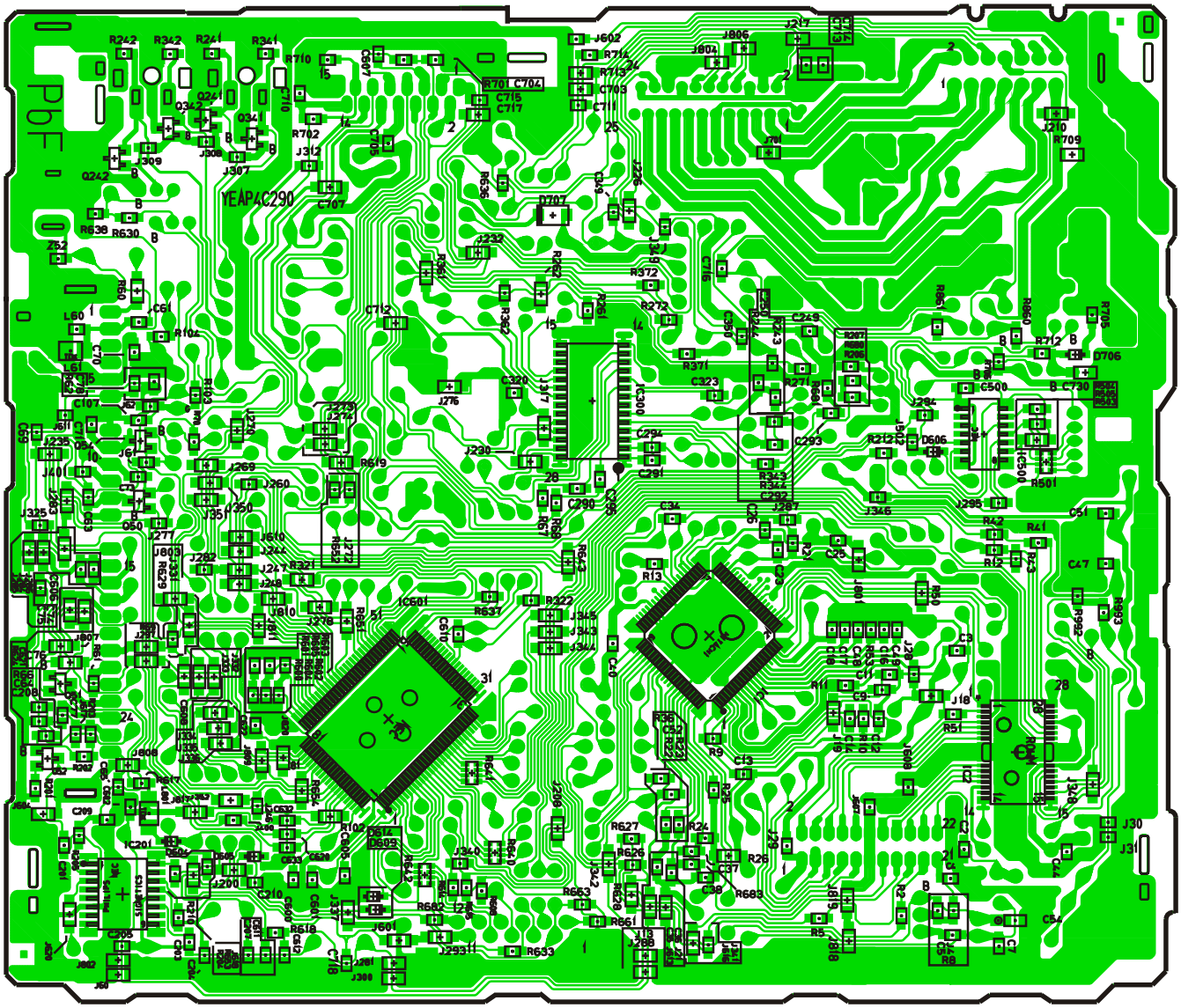
16.1. Main Block-1



[E-4C290][TOP VIEW]

CQ-C1103U/W/D/H/NE/NW
CQ-C1113NE/NW
CQ-C1123NE/NW MAIN PCB

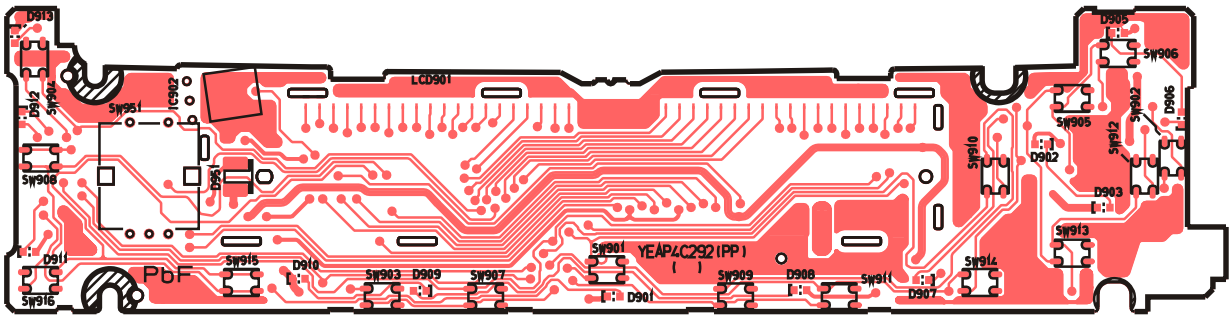
16.2. Main Block-2



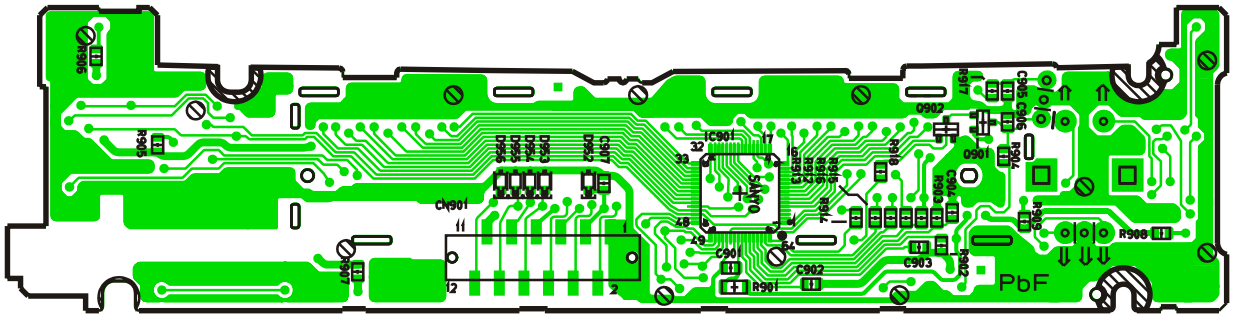
[E-4C290][BOTTOM VIEW]

CQ-C1103U/W/NE/NW/D/H
CQ-C1113NE/NW
CQ-C1123NE/NW MAIN PCB

16.3. Display Block



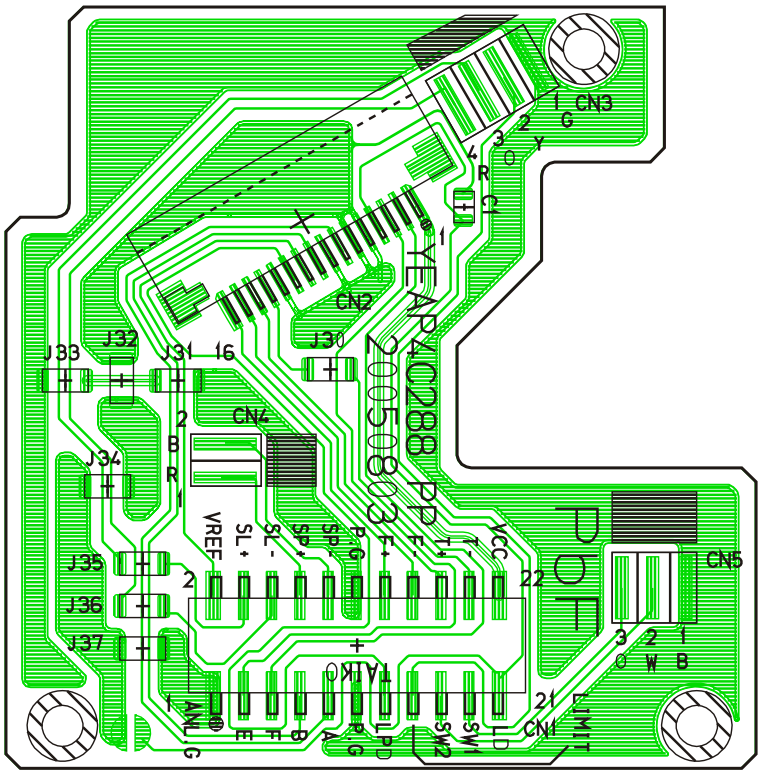
[E-4C292][TOP VIEW]



[E-4C292][BOTTOM VIEW]

CQ-C1103NE/NW
CQ-C1113NE/NW
CQ-C1123NE/NW DISPLAY PCB

16.4. CD Interface Block



[E-4C288][BOTTOM VIEW]

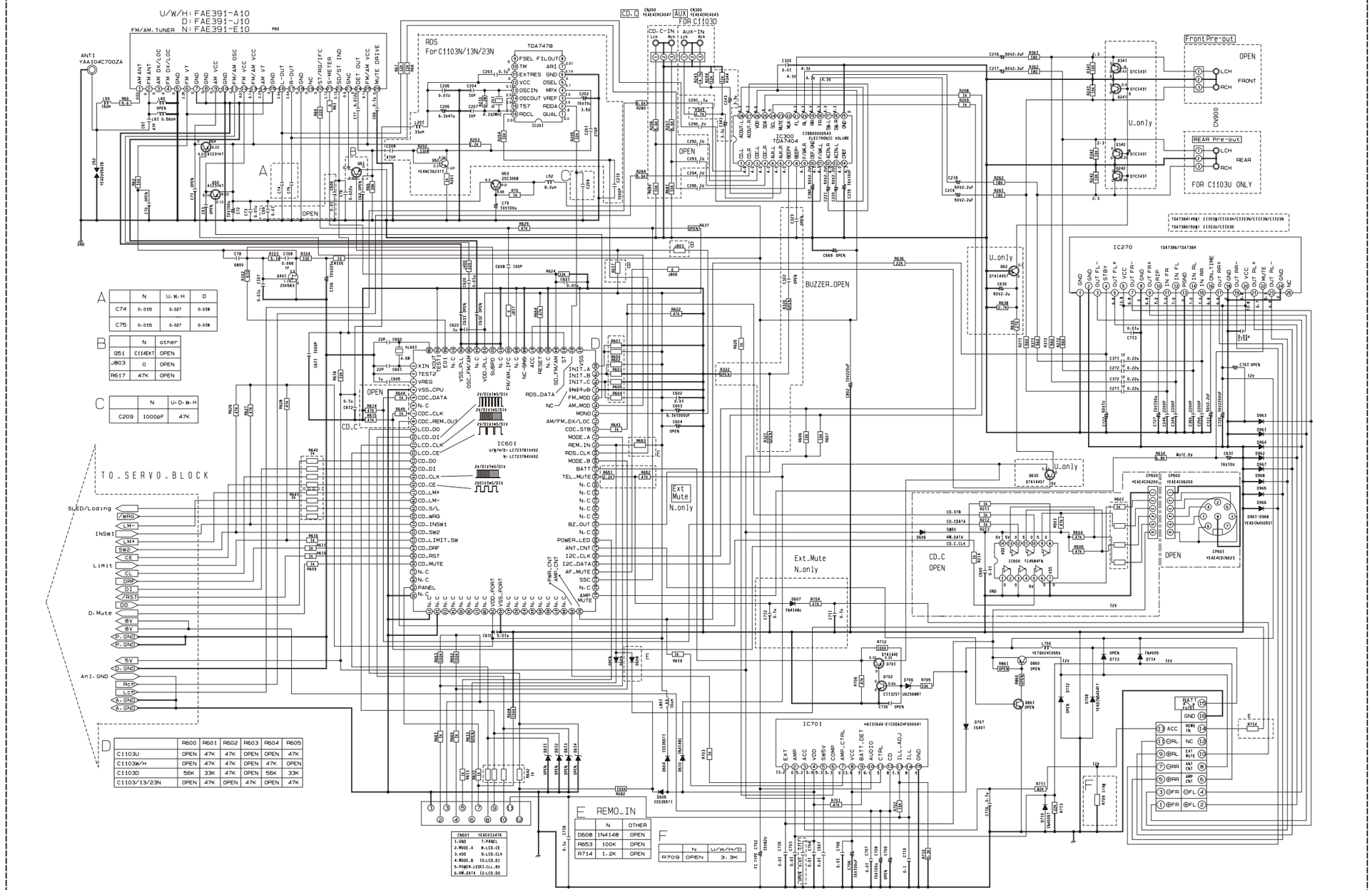
CQ-C1103U/W/H/D
CQ-C1113NW
CQ-C1333U/W
CQ-C1303U/W/H/D/NE/NW
CQ-C1313NE/NW
CQ-C1323NE/NW CD INTERFACE PCB

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

17 SCHEMATIC DIAGRAM-1

17.1. Main Block

E-4C290



A	N	U.W.H	D
C74	0.015	0.027	0.058
C75	0.015	0.027	0.058

B	N	other
Q51	C114EKT	OPEN
J803	0	OPEN
R617	47K	OPEN

C	N	U·D·W·H
C209	1000pF	47K

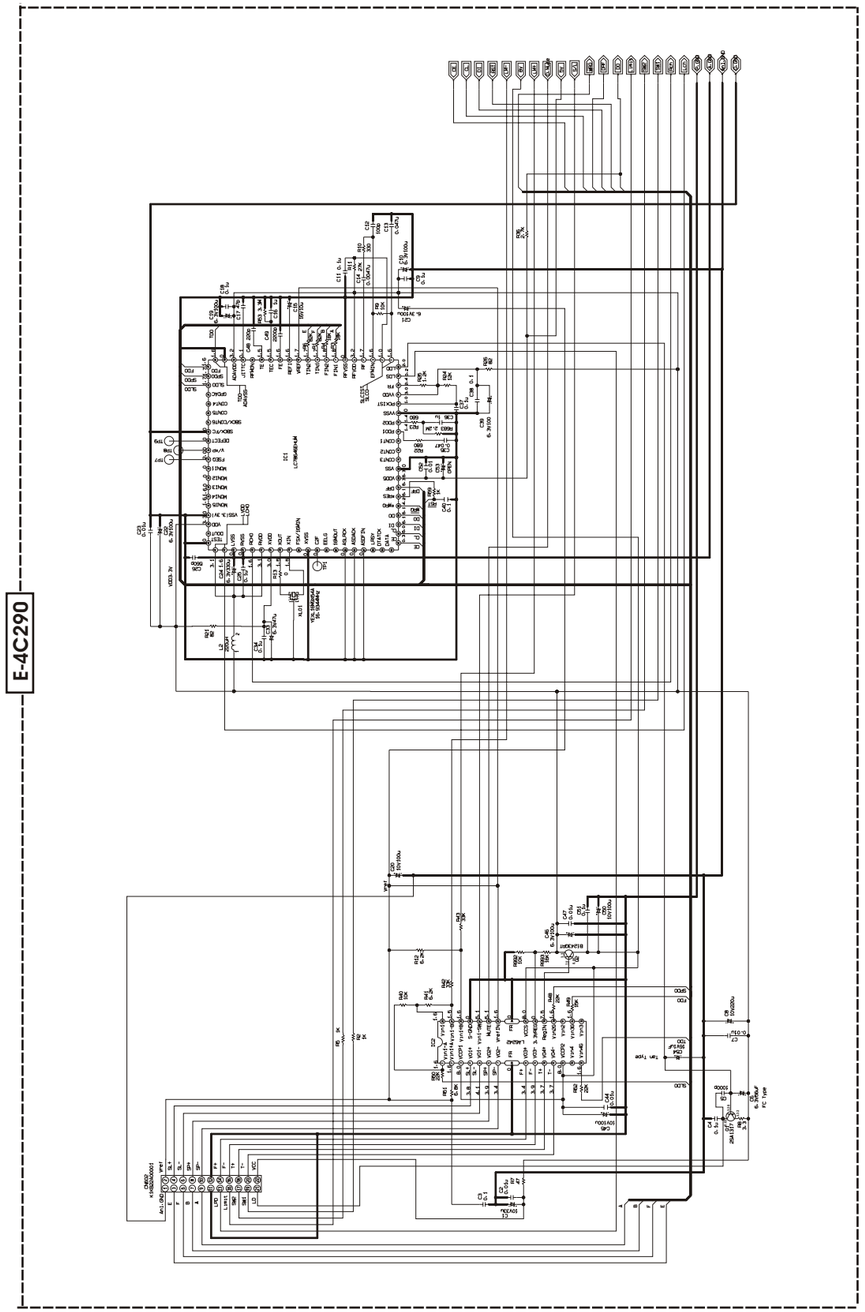
D	R600	R601	R602	R603	R604	R605
C1103U	OPEN	47K	47K	OPEN	OPEN	47K
C1103W/H	OPEN	47K	47K	OPEN	47K	OPEN
C1103D	56K	33K	47K	OPEN	56K	33K
C1103/13/23N	OPEN	47K	OPEN	47K	OPEN	47K

E	N	OTHER
D608	1N4148	OPEN
R653	100K	OPEN
R714	1.2K	OPEN

F	N	U/W/H/D
R709	OPEN	3.3K

CQ-C1003H/C1013H/C1113NE/C1113NW/C1123NE/1123NW/C1103H/C1103NE/C1103NW/C1103U/C1103W MAIN BLOCK

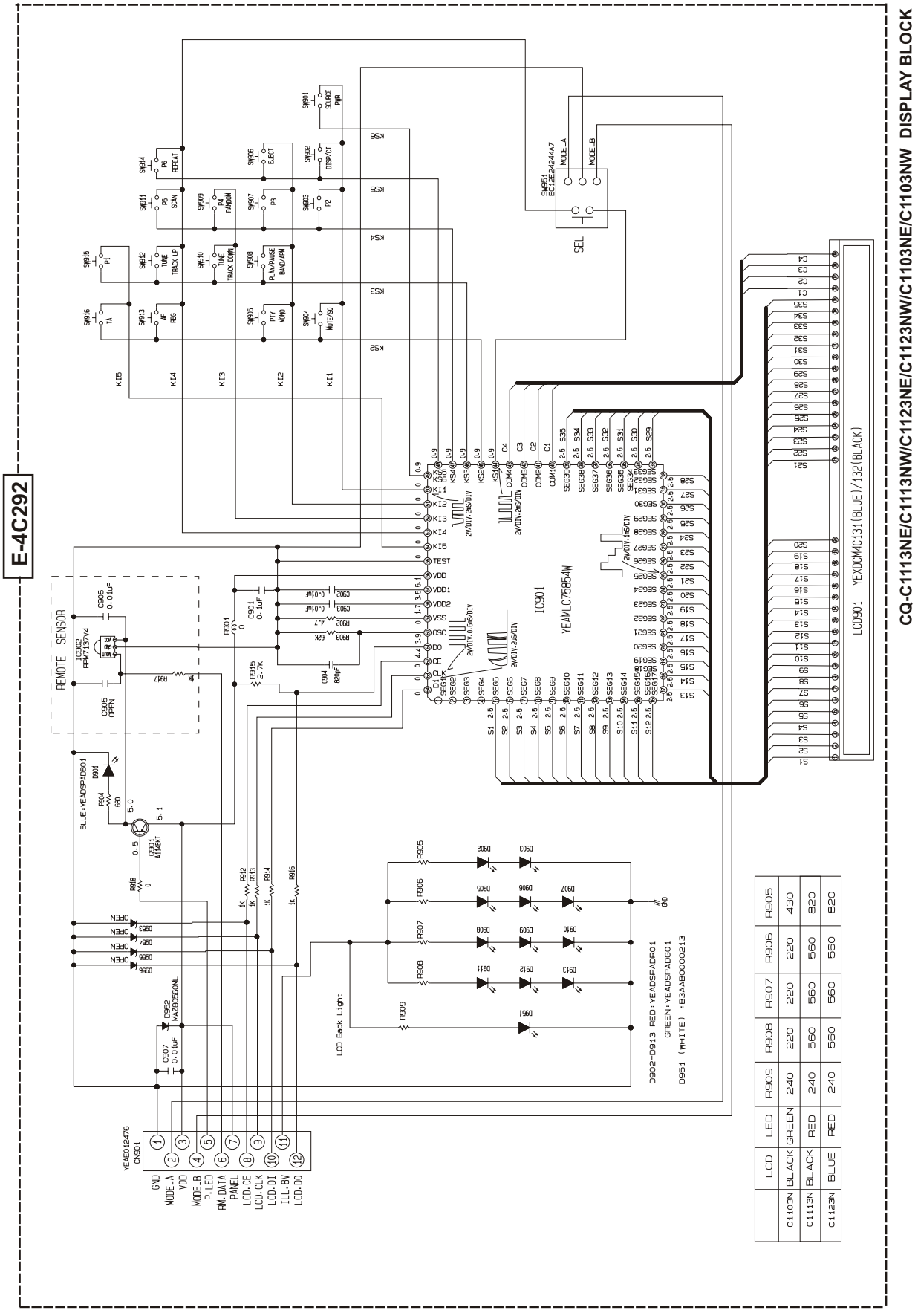
17.2. Main Block



CQ-C1103H/C1003H/C1013H/C1103NW/C1113NW/1123NW/C1103U/C1103W/C1103D/C1103NE/C1113NE/C1123NE MAIN BLOCK

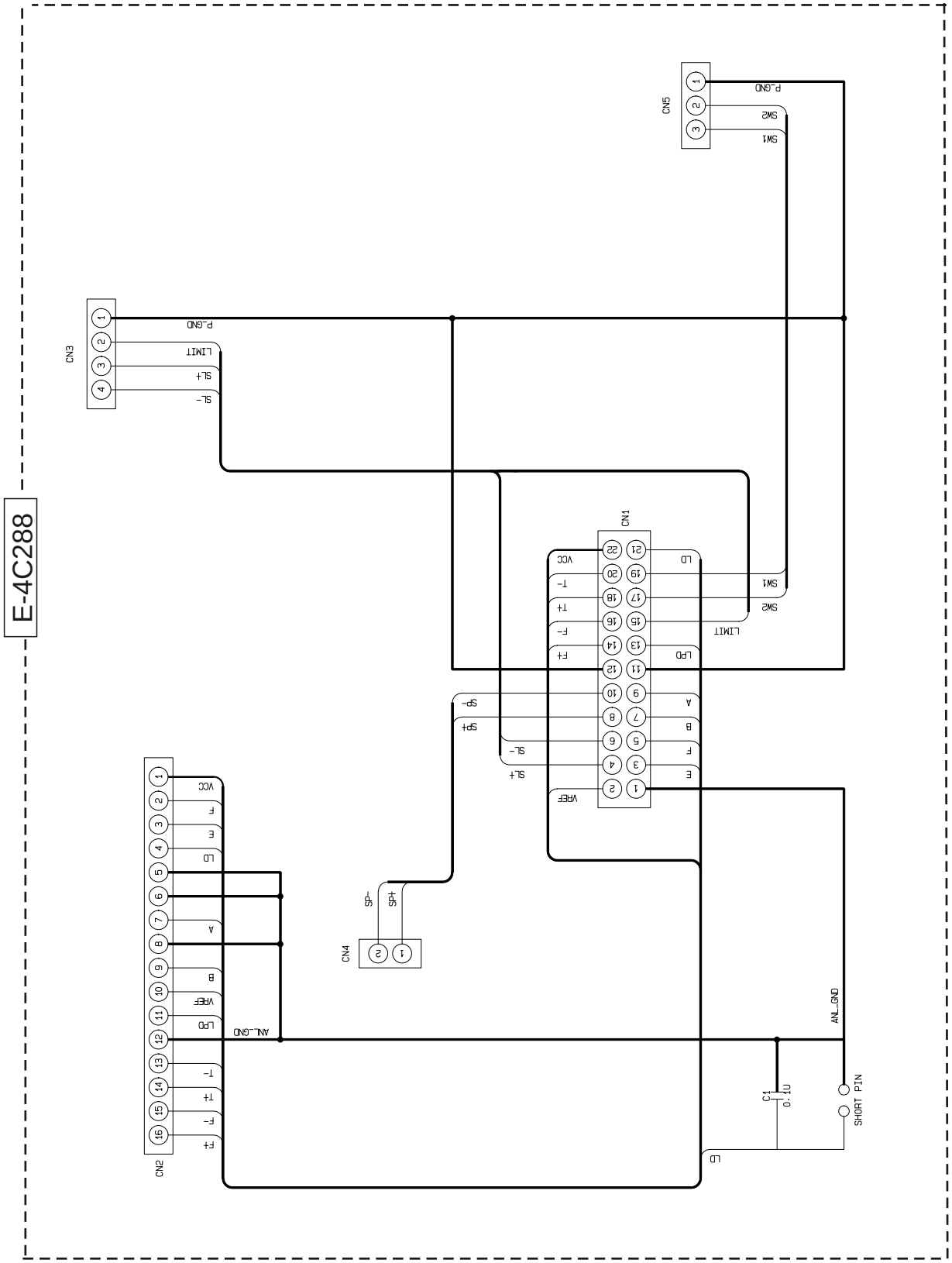
18 SCHEMATIC DIAGRAM-2

18.1. Display Block



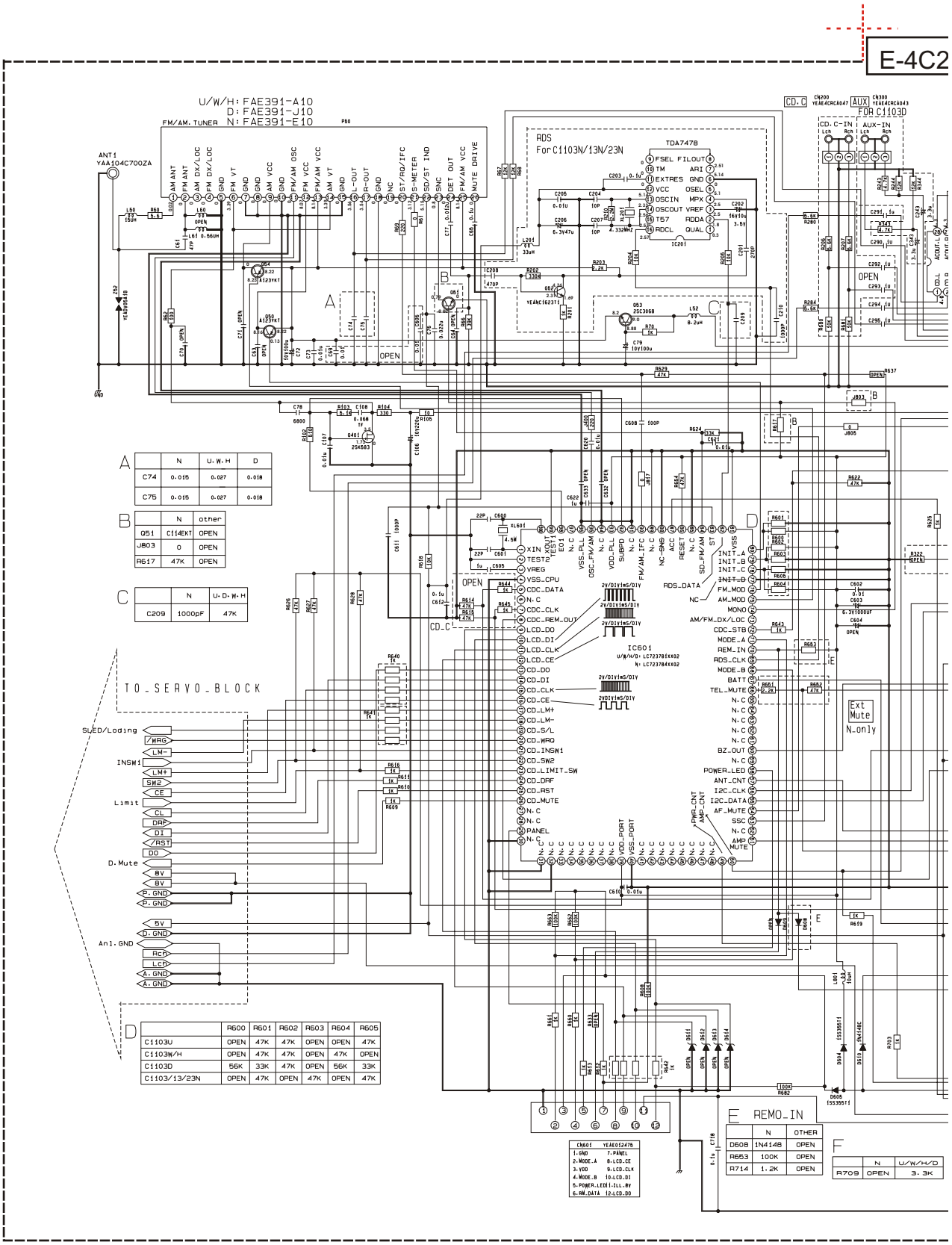
	LCD	LED	R909	R908	R907	R906	R905
C1103N	BLACK	GREEN	240	220	220	220	430
C1113N	BLACK	RED	240	560	560	560	820
C1123N	BLUE	RED	240	560	560	560	820

18.2. CD Interface Block



19 SCHEMATIC DIAGRAM for printing with A4 size

19.1. Main Block (Left Side)



A	N	U.W.H	D
C74	0.015	0.027	0.018
C75	0.015	0.027	0.018

B	N	other
Q51	C114EKT	OPEN
JB03	0	OPEN
R617	47K	OPEN

C	N	U-D-W-H
C209	1000pF	47K

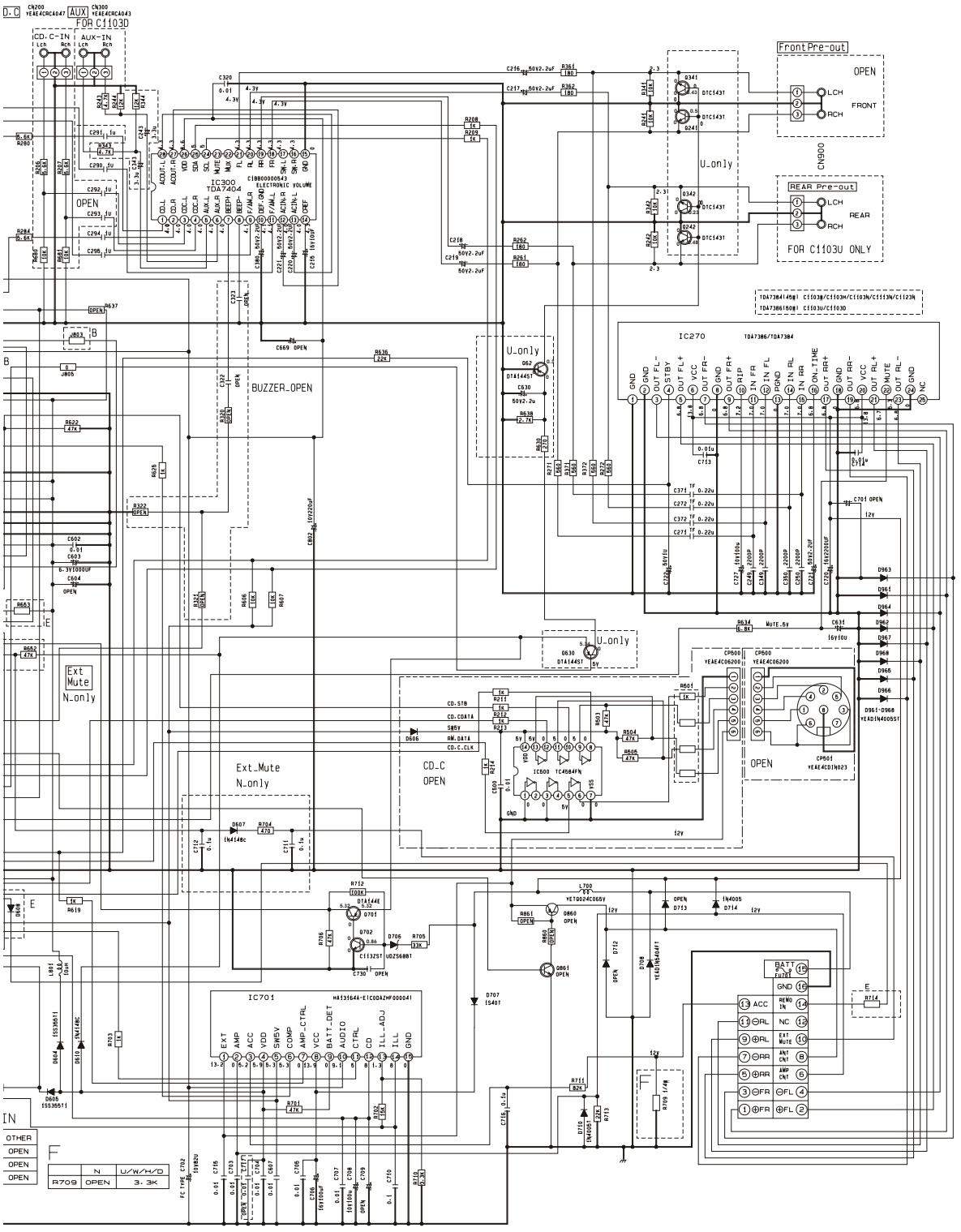
D	R600	R601	R602	R603	R604	R605
C1103U	OPEN	47K	47K	OPEN	OPEN	47K
C1103W/H	OPEN	47K	47K	OPEN	47K	OPEN
C1103D	56K	33K	47K	OPEN	56K	33K
C1103/13/23N	OPEN	47K	OPEN	47K	OPEN	47K

E REMO_IN	N	OTHER
D608	1N4148	OPEN
R653	100K	OPEN
R714	1.2K	OPEN

F	N	U/W/H/D
R709	OPEN	3.3K

19.2. Main Block (Right Side)

E-4C290



CQ-C1003H/C1013H/C1113NE/C1113NW/C1123NE/1123NW/C1103H/C1103NE/C1103NW/C1103U/C1103W MAIN BLOCK

Printed in Taiwan
2005.11